

USDA-ARS Collection
of Entomopathogenic
Fungal Cultures

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Biological Integrated Pest Management Research
Robert W. Holley Center for Agriculture & Health
538 Tower Road
Ithaca, New York 14853-2901 (USA)

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CONTACTING ARSEF COLLECTION STAFF

Richard A. Humber

Curator and Insect Mycologist
richard.humber@ars.usda.gov
phone: [+1] 607-255-1276
fax: [+1] 607-255-1132

Karen S. Hansen

Biological Technician
ksh7@cornell.edu
phone: [+1] 607-255-1274
fax: [+1] 607-255-1132

Micheal M. Wheeler

Biological Technician
mmw5@cornell.edu
phone: [+1] 607-255-1274
fax: [+1] 607-255-1132

**USDA-ARS Biological Integrated Pest Management Research
Robert W. Holley Center for Agriculture and Health
538 Tower Road
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New nomenclatural rules bring new challenges, and new taxonomic revisions for entomopathogenic fungi

Richard A. Humber

Insect Mycologist and Curator, ARSEF

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The previous (2007) version of this introductory material for ARSEF catalogs sought to explain some of the phylogenetical rationale for major changes to the taxonomy of many key fungal entomopathogens, especially those involving some key conidial and sexual genera of the ascomycete order Hypocreales. Phylogenetic revisions of the taxonomies of entomopathogenic fungi continued to appear, and the results of these revisions are reflected in the ARSEF catalog as quickly and completely as we can do so.

As many of people dealing with entomopathogenic fungi are already aware, there has been one still recent event that has a more far-reaching and pervasive influence whose magnitude still remains to be fully appreciated, but that leaves much of the mycological world (including insect mycology) semiparalyzed by uncertainty and worried about the extent and impacts of changes that still remain unformalized and, hence, a continuing subject for speculation and prediction. At the 2011 International Botanical Congress in Melbourne (Australia), however, a far-reaching nomenclatural revolution was imposed on the fungal world as the result of the abandonment of the existing dual nomenclatural standard that allowed separate, valid names for anamorphic and teleomorphic stages of pleomorphic fungi. This dual nomenclatural system was replaced by a new standard allowing only *one* correct name for any pleomorphic fungus regardless of how many morphs might have been previously and validly recognized for that fungus. The new rule (also known as One Fungus = One Name, or, even more concisely, 1F=1N) has deeply split mycologists into opposed camps greeting the new rules with either cheers or jeers. Whether one supports or opposes this change (for the record, I strongly object to this change), these basic points are indisputable and must be accepted (whether happily or not):

- Dual nomenclature is no longer recognized (now and for the indefinite future).
- 1F=1N is the ***only*** nomenclatural standard applicable for the nomenclature of pleomorphic fungi.
- The main impacts of 1F=1N are apparent at the rank of genera.
- After the competing possible names are evaluated, a ***single*** correct generic name will be chosen by decisions of committees as defined by the International Association for Plant Taxonomy (IAPT) which oversees the ***International Code of Nomenclature for algae, fungi and plants (ICN; McNeill et al. 2012*** or online at <http://www.iapt-taxon.org/nomen/main.php>).
- The use of the specified correct names, once fully confirmed, is obligatory and ***must*** be followed because all such names will be treated as if they have been conserved against all possible alternative names.
- Other taxonomic changes (especially below the generic level)—e.g., when the chosen correct generic name is of a different gender from that which it replaces, specific epithets must be changed to reflect the newer generic gender as when *Paecilomyces farinosus* became *Isaria farinosa*.

Table 1. UPDATES for probable outcomes under 1F=1N standards for which genera of entomopathogens in Hypocreales are likely to be treated as ‘correct’ (in boldface) that differ (where underlined> from what was suggested in Humber’s (2012) poster presented at the SIP meeting in Buenos Aires, AR.

Family Clavicipitaceae

Humber (2012)

Metarhizium (synonyms: *Metacordyceps*, *Nomuraea*, *Pochonia*, *Rotiferophthora*, etc.)

Aschersonia (synonym: *Hypocrella*)

Other aschersonioid genera;

Moelleriella*, *Orbiocrella*, *Regiocrella*, *Samuelsia

Updated (see Kepler et al. 2014)

Metarhizium (synonyms: *Chamaeleomyces*, *Metacordyceps*, *Nomuraea*)
Pochonia

Metapochonia

Rotiferophthora

Aschersonia (synonym: *Hypocrella*)

Other aschersonioid genera;

Moelleriella*, *Orbiocrella*, *Regiocrella*, *Samuelsia

Family Cordycipitaceae

Humber (2012)

Cordyceps (synonyms: *Beauveria*, *Isaria*, *Lecanicillium*, *Evlachovaea*, *Microhilum*, *Simplicillium*, etc.)

Torrubiella (synonyms: *Akanthomyces*, *Gibellula*, *Granulomanus*, *Pseudogibellula*)

Ascopolyporus

Conoidiocrella

Updated probable choices:

Cordyceps (possible synonyms: *Torrubiella*^{1,2}, *Lecanicillium*¹)

Beauveria

Gibellula (synonym: *Granulomanus*)

Isaria (synonym: *Evlachovaea*)

Ascopolyporus

Conoidiocrella

Family Ophiocordycipitaceae

Humber (2012)

Elaphocordyceps (synonym: *Tolypocladium*)

Ophiocordyceps (synonyms: *Hirsutella*³, *Hymenostilbe*, *Paraisaria*, *Sorosporrella*, *Syngliocladium*)

Updated probable choices:

Elaphocordyceps (synonym: *Tolypocladium*)

Ophiocordyceps (synonyms *Hirsutella*³, *Hymenostilbe*, *Paraisaria*, *Sorosporrella*, *Syngliocladium*)

Polycephalomyces (see Kepler et al. 2012)

¹ Separate status or synonymy depends on more complete determination for status of type species.

² As traditionally defined, a polyphyletic group with spp attributable to all clavicipitoid families; see Johnson et al. 2009.

³ May be recognized as separate from *Ophiocordyceps* but status and circumscription still undetermined.

IMPORTANT NOTE: If not treated as a separate genus, *Hirsutella* might be recognized as a correct name to replace the younger generic name *Ophiocordyceps*.

- Some very familiar, cherished generic names will disappear, and the traditional generic circumscriptions for pleomorphic fungi will expand and be revised to reflect all phylogenetically related morphs for their included taxa.

How correct names will be chosen: The ultimate selection of correct names over all possible competing names will depend on a number of sequential actions by a significant number of persons in a series of committees, and will be subject to all of the difficulties that routinely accompany committee actions. The exact set of actions that will be occurring still remain uncertain in many quarters. For fungi in the Hypocreales (the entomopathogens most affected by the new rule and also raising the greatest concerns for insect pathologists), there is a world-wide group of mycologists with strong taxonomic/systematics expertise who

will consider the demonstrated phylogenies of these fungi, assemble lists of generic names that appear to apply to monophyletic groups of taxa, and that will formally propose a set of choices of correct genera (and their synonyms) to the IAPT's Nomenclature Committee for Fungi. Once this committee has cast their votes to accept (or to modify) any of the proposed choices, the lists of accepted and rejected names will be sent forward to the General Committee of the IAPT for ratification, and then to the Nomenclature Session of the next International Botanical Congress (the next such meeting will be in 2017, in Beijing; any reports from the Committee for Fungi that miss the deadlines for this next Congress would be passed on to the following Congress in 2023 (wherever that may be held). No nomenclatural changes or decisions of any type become completely official until they have been accepted by majority votes during the Nomenclature Session at an International Botanical Congress and then ratified by a plenary vote of the Congress participants at that Congress. It is interesting to note that the only constitutive reason for holding any International Botanical Congress is actually for holding these Nomenclatural Sessions (before the main Congress) and the final, obligatory vote on the acceptance of the report from the Nomenclatural Session during the closing plenary session of the Congress.

The selection of which name among competing possibilities will be selected as correct is not entirely arbitrary, but it is also necessary to remember that it will be a matter of consensus opinion among the members of the committees that will consider the proposals coming to them. The criteria that are supposed to be used for ultimately choosing the names that will be used are to be based in the first place on priority of publication (which name is the oldest available name). There is no longer any automatic preference in the Code to choose names as correct that are typified by teleomorphs; names for conidial and sexual states are to be treated on an equal basis for purposes of selecting the correct name.

It is apparent that even now (early in 2014), there is still a great deal of uncertainty among mycologists about exactly how to handle names of pleomorphic fungi during this transitional period from the defunct dual nomenclatural system to the new rule. **Hawksworth (2012)** provides what may be the most comprehensive opinion about how to proceed from this point, but it is only one opinion about how the mechanics should proceed.

Changes to the International Code of Nomenclature (ICN) for botanical and related taxa are supposed to result in greater stability and predictability for the names of organisms covered by these rules. Whether the newly adopted rules do this remains a source of active and heated controversy. It probably is fair to say that a new stability will be an eventual result of these new rules, and that within another decade many of the fundamental arguments about the value of these changes will have been settled. I will note that the names for the entomopathogenic hypocrealean fungi (which comprise the vast majority of fungi in the ARSEF culture collection) are among the fungi most drastically affected by this dramatic change in the ICN rules. While nomenclatural stability will eventually come, it will still be a number of years before that stabilization process has been completed and before the resulting changes are fully incorporated into the scientific literature. It is probable that all or, at least, the great majority of the basic changes outlined here will be ready for final ratification during the 2017 International Botanical Congress in Beijing.

Just as there is enormous confusion and controversy still about whether the abandonment of dual nomenclature for the 1F=1N rule was a good and necessary change or will prove to be a superfluous and destructive catastrophe, there are many analyses covering a range of opinions from opposed to and troubled by the change (e.g., **Korf 2005** precedes the adoption of the new rules but raises important and pertinent issues; **Gams et al. 2011, 2012**) to those who seem to be cautiously and a bit vigilantly supportive (e.g., **Braun 2012**) to those leading full-throated cheers for these changes (**Hawksworth 2011; Hibbett & Taylor 2013**) to even a suggestion that the naming of fungi may cause more problems than it solves (**Money 2013**).

ARSEF responses to taxonomic revisions: The identifications in the ARSEF catalog have always incorporated new taxa and appropriately revised classifications as soon as the collection staff can confirm the correct new identifications for ARSEF holdings. We make every attempt in the catalog to note specifically when those identifications are based on genomic sequence data. For taxa where extensive molecular revisions have occurred, those isolates with genomically confirmed identifications—for example, for isolates of *Beauveria bassiana* and *Metarhizium anisopliae* in their molecularly redefined, phylogenetically narrowed,

strict senses (*sensu stricto*)—are listed in the catalog as these species; isolates that have not been molecular confirmed are placed in separate listings for these species in their broad senses (*sensu lato*).

GENERAL AND PHYLOGENETIC RECLASSIFICATIONS OF FUNGI

The results of a global cooperative effort involving dozens of mycologists (including the curator of this collection) to reclassify the fungi according to phylogenetically sound principles based on the DNA sequence data for multiple genes has recently resulted in the publication of two monumentally important publications that completely rework mycological systematics. The earlier publication was a phylogenetic overview of virtually all fungi (**James et al. 2006**). The second publication (**Hibbett et al. 2007**) provided many of the necessary taxonomic readjustments that were indicated by the phylogenetic studies. The ITS gene sequence has been adopted as a supposedly universal biological bar code gene (**Schoch et al. 2012**) because of its wide usefulness for a vast range of fungi; however, reality has consistently indicated that the ITS sequence has very little usefulness for the identification of fungi in some important groups of ascomycete (*especially including* taxa in the order Hypocreales). As is noted here, however, there have been many later phylogenetic studies that are important for the taxonomy and systematics of entomopathogenic fungi. Some of these major studies involving entomopathogens from the order Hypocreales are listed here by anamorphic or teleomorphic generic name:

Beauveria — **Rehner et al. 2011**

Fusarium — **O'Donnell et al. 2012**

Metarhizium — **Bischoff et al. 2009; Kepler & Rehner 2013; Kepler et al. 2014**

Metacordyceps — **Kepler et al. 2012**

Polycephalomyces — **Kepler et al. 2013**

FLAGELLATE FUNGI AND FUNGAL ALLIES

The removal of the Oomycetes (biflagellate water molds whose zoospores have one whiplash and one tinsel flagellum) from the true fungi to the class Peronosporomycetes in the kingdom Straminipila (also known as kingdom Chromista) has been widely accepted within mycology for several decades now. There are, however, a small number of water molds that produce uniflagellate zoospores (with a single posterior whiplash flagellum) that have traditionally been treated in the Chytridiomycota. The massive phylogenetic review of fungi (**James et al. 2006**) known under the All-Fungal Tree of Life (AFTOL) Project resulted in indicating that a large group of taxa—including the entomopathogenic genera *Coelomomyces*, *Coelomycidium*, and *Miophagus*—needed to be removed from the Chytridiomycota; these semi-terrestrial chytrids with golden-brown resistant sporangia and complex life histories were reclassified by **Hibbett et al. (2007)** into the newer kingdom Blastocladiomycota.

ENTOMOPHTHOROMYCOTA: A NEW PHYLUM

The phylogenetically driven reclassification of all fungi (**Hibbett et al., 2007**) resulted in the abandonment of the phylum Zygomycota (as well as the subphylum Zygomycotina and class Zygomycetes) because these long-recognized taxa were finally proven to be distinctly polyphyletic. A series of subphyla not assigned to any phylum were described in **Hibbett et al. (2007)** while placing arbuscular mycorrhizal fungi (Glomales) in a clearly distinct phylum, Glomeromycota. Since that initial formal dispersal of zygomycete fungi, the new (still unassigned) subphylum Mortierellomycotina was described (**Hoffmann et al. 2011**). It was always understood that it was probable that further phylogenetic studies on these unassigned subphyla of zygomycetous fungi could eventually result in raising each of these subphyla to phylum ranking. In the case of the Entomophthoromycotina, these 'missing' phylogenetic studies have been completed in a sufficiently convincing manner (**Gryganskyi et al. 2012a,b**) to support the description of the phylum Entomophthoromycota (**Humber 2012**) with a new and phylogenetically revised classification of entomophthoroid fungi into three classes (see **Table 2**).

Table 2. Phylum Entomophthoromycota (Humber 2012).

Class Basidiobolomycetes	
Order Basidiobolales	
Family Basidiolaceae	<i>Basidiobolus</i> , <i>Schizangiella</i> ¹ , <i>Drechslerosporium</i> ¹
Class Neozygitomycetes	
Order Neozygitales	
Family Neozygitaceae	<i>Neozygites</i> , <i>Apterivorax</i> , <i>Thaxterosporium</i>
Class Entomophthoromycetes	
Order Entomophthorales	
Family Ancylistaceae	<i>Ancylistes</i> , <i>Conidiobolus</i> ² , <i>Macrobiotophthora</i>
Family Completoriaceae	<i>Completozia</i>
Family Entomophthoraceae	
Subfamily Entomophthoroideae	<i>Entomophthora</i> , <i>Entomophaga</i> , <i>Eryniopsis</i> , <i>Massospora</i> ³
Subfamily Erynioideae ⁴	<i>Erynia</i> , <i>Furia</i> , <i>Orthomyces</i> , <i>Pandora</i> , <i>Strongwellsea</i> , <i>Zoophthora</i>
Family Meristacraceae ⁵	<i>Meristacrum</i> , <i>Tabanomycetes</i>

¹ Genus with phylogenetic support but still awaiting formal description.

² Phylogenetic data indicate this genus must be revised and split.

³ Subfamily Massosporoideae proposed by Keller & Petrini (2005) is not phylogenetically supported.

⁴ Phylogenetic data support Zoophthora, but distinctions among other genera remain uncertain.

⁵ Two previously included genera—*Ballocephala* and *Zygnemomyces*—have been excluded from Entomophthoromycota and reclassified in subphylum Kickxellomycotina (see Humber 2012).

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ARS COLLECTION OF ENTOMOPATHOGENIC FUNGAL CULTURES

History and Purpose of the ARSEF Collection

The goal of the ARS Collection of Entomopathogenic Fungal Cultures (ARSEF) is to provide fundamental support for basic and applied research on the fungal pathogens of invertebrates. Since its establishment in the early 1970s, this collection has served as a general research resource for the isolation, collection, preservation, and distribution of fungal strains from insects, other arthropods, and nematodes. Emphasis has always been placed on acquiring and distributing strains under active study for use as potential biological control agents. Basic research associated with the collection includes fungal systematics, fungal cytology, pathobiology, and methodology for fungal cryopreservation. The culture collection and its associated collection of microscope slides and herbarium specimens provide invaluable support for taxonomic research on and the diagnoses of fungal pathogens of invertebrates. Identification services for specimens and cultures have always been available free of charge to any laboratories requesting them.

We strive to provide users with pure and accurately identified fungal cultures, and the taxonomies applied to the fungi in this collection are continuously updated to reflect their current accepted classifications. The curator of the collection welcomes all correspondence about nomenclatural or taxonomic changes or possible misidentifications involving any ARSEF strains.

The ARSEF collection began as Richard Soper's research collection in the USDA-ARS laboratory at the University of Maine (Orono; UMO) where its cultures were initially designated by a UMO or RS prefix before adopting ARSEF in 1985. In 1978, the ARS Insect Pathology Research Unit relocated to Ithaca, NY, to work with the Boyce Thompson Institute (BTI) on the Cornell University campus. The Insect Pathology Research Unit became the Plant Protection Research Unit (PPRU) in 1985, and was renamed in 2008 as the Biological Integrated Pest Management Research Unit (BioIPM). The ARSEF collection moved from BTI in 1990 into the US Plant, Soil & Nutrition Laboratory which was rededicated in 2008 as the Robert W. Holley Center for Agriculture & Health to commemorate Dr. Holley's work there to complete the first sequencing of any nucleic acid; he received the 1968 Nobel Prize for Medicine or Physiology for this work.

BioIPM operates the ARSEF culture collection for the USDA Agricultural Research Service; the collection is not now and has never been owned or controlled by the Boyce Thompson Institute. ARSEF is one of the largest germplasm collections in the ARS, and is widely recognized for its active support of research on fungal pathogens of invertebrates. ARSEF and its associated herbarium are registered under the ARSEF acronym since 1985 with the World Federation of Culture Collections' World Data Center on Microorganisms and the International Association of Plant Taxonomists' *Index Herbariorum*, respectively.

From 1977 through 2008, all strains in the collection were preserved by immersion in liquid nitrogen. A program to lyophilize those isolates that could tolerate such was begun in the 1990's, and has expanded in scope and pace. At the end of 2008 the vast majority of the collection was consolidated in a single large nitrogen dewar in a new facility adjacent to the current building. Requests for cultures are filled with either actively growing cultures on appropriate media or, if available, as freeze-dried units.

Identifying and Acknowledging ARSEF Strains in Publications

We request that all publications using or referring to strains obtained from ARSEF acknowledge the U.S. Department of Agriculture, ARS Plant Protection Research Unit and state the ARSEF accession numbers of these strains. We would very greatly appreciate receiving reprints of all past, current, and future publications or even periodic notification about research in progress involving the use of ARSEF strains.

Accession numbers of strains from commercial culture collections such as the American Type Culture Collection (ATCC), Centraalbureau voor Schimmelcultures (CBS), CAB International Mycological Institute (IMI), and other registered general service collections are listed in this catalog to provide complete information about specific isolates. ***Representation of cultures obtained from ARSEF as being from ATCC, CBS, IMI or UAMH or other general service culture collections violates trademark laws, and persons doing so are subject to prosecution.*** Cultures received from ARSEF should be referred to by their ARSEF numbers only even if they are co-deposited in other other culture collections.

Depositing and Exchanging Cultures

BioIPM and ARSEF encourage deposition of entomopathogenic fungal cultures in the ARSEF collection—particularly strains used in published studies—and of voucher and reference specimens to its herbarium. Depositors may reserve the right to limit redistribution of any culture deposited with ARSEF for specified times upon consultation with the curator. Depositors can receive subcultures of their own depositions at any time; these cultures do not affect any allowances of free cultures. Exchanges of cultures between ARSEF and other research or general collections of fungal cultures are encouraged and are not subject to numerical limits.

Prior to shipping cultures from countries outside the United States contact the Curator to obtain the appropriate needed importation permit from the U.S. Department of Agriculture, Animal and Plant Health Inspection Services, Plant Protection and Quarantine.

When sending cultures and/or specimens to ARSEF, it is very important to include as much of the following information as possible:

1. Scientific name (and taxonomic authority) of the fungus.
2. Common and scientific name (with taxonomic authority) of the host.
3. Order and family of the host. (***This information is especially important!***)
4. Date and site of collection.
5. Name of collector.
6. Date and name of isolator.
7. Any collection, accession, or other identifier number(s) applied by the collector or sender.
8. Medium on which a culture is sent.
9. Any special requirements or conditions for growth (such as medium, temperature, pH).

Diagnostic Services for Cultures and Specimens

Specimens and cultures of unidentified fungi from invertebrates can be submitted to ARSEF for diagnosis. This service is an important function of the ARS Collections of Entomopathogenic Fungi and is provided without charge. Identifications and information about the disposition of specimens will be mailed to the sender.

Release of ARSEF Cultures from Containment or Quarantine

Neither the curator nor any employee of ARSEF or of the Plant Protection Research Unit is entitled to authorize the release of any culture it provides from laboratory containment or quarantine in the United States or elsewhere. Recipients of ARSEF cultures are responsible for obtaining appropriate and necessary permissions from or for providing official notifications to State and Federal regulatory agencies.

ORDERING INFORMATION

Please send all requests for isolates directly to the Curator (Richard A. Humber):

ARS Collection of Entomopathogenic Fungal Cultures
Robert W. Holley Center for Agriculture & Health
Tower Rd.
Ithaca, NY 14853–2901

Telephone: [+1] 607 255-1276
OR Fax: [+1] 607 255-1132
Email: richard.humber@ars.usda.gov

Academic, Government, and Other Nonprofit Institutions

1–5 isolates [up to 7 per calendar year]

no charge

6 or more isolates per order [8 or more per calendar year]

US\$60 per strain

Users from nonprofit institutions can receive up to five isolates without charge in any 6 month period, and up to seven cultures in any calendar year. Requests in excess of these limits may be charged at the rate of US\$60 per additional isolate requested. Requests from commercially sponsored research programs undertaken by nonprofit institutions are charged at the commercial rate and are not subject to numerical limits. Prices are subject to change without notice.

Commercial and Industrial Institutions

US\$85 per strain

Nonprofit institutions working on commercially sponsored contractual projects (such as screening programs) are charged at the rate of US\$85 per strain requested. There are no limits on the numbers of cultures that can be requested or shipped. Prices are subject to change without notice.

Commercial or industrial firms supporting research at the ARS Plant Protection Research Unit are entitled to free access to cultures pertinent to contracted projects; all other requests are charged at the current rate.

TERMS OF SHIPMENT

If necessary, billings for isolates are issued through the Boyce Thompson Institute. We encourage prepayment for isolates. *Checks or money orders for strains must be payable to the **Boyce Thompson Institute*** but sent directly to the curator of the ARS Collections of Entomopathogenic Fungi. Consult the curator of the collections with questions about fees due for any particular shipment.

All recipients of cultures are strongly encouraged to provide express shipper account numbers to allow shipping costs to be billed directly to recipients, thus assuring significant cost-savings to the ARSEF collection.

We request confirmation of receipt and viability of cultures shipped. Inviabile strains will be replaced.

ARSEF reserves the right to refuse to ship isolates

- to recipients who cannot handle them using standard microbiological practices,
- to laboratories that cannot assure laboratory containment of isolates except after obtaining permissions from applicable State and Federal regulatory agencies, or
- if use of routine mailing or shipping procedures cannot assure the receipt of viable cultures.

Neither ARSEF, BioIPM, nor the Boyce Thompson Institute is liable for damages arising from the misidentification of strains.

INTERPRETATION OF STRAIN ACCESSION DATA

The following examples provide a guide to the arrangement and interpretation of collection data included in this catalog.

***Beauveria bassiana* (Balsamo) Vuillemin**

2828 M Feng (MD8903). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 89. USA: Parma, Idaho.

2828	ARSEF accession number.
M Feng (MD8903)	Depositor and depositor's reference or accession number.
<i>Metopolophium dirhodum</i> [Homoptera: Aphididae]	Original host [host's order and family]
On spring wheat	The substrate on which the host was found
21 Jul 89	Date of accession or receipt by ARSEF.
USA: Parma, Idaho	Country of origin followed by the locality and state.

***Conidiobolus thromboides* Drechsler**

73 [CSIRO EM534; FPMI 28] RG Kenneth (3040)←ATCC (24419)←DM MacLeod←G Thoizon. *Rhopalosiphum insertum* [Homoptera: Aphididae]. Rec'd Jan 18 1976. France: Val-de-Marne, La Varenne.

73	ARSEF accession number.
[CSIRO EM534; FPMI 28]	Alternative depositions of this strain in other culture collections.
RG Kenneth (3040)	Depositor and depositor's reference or accession number.
←ATCC (24419)←DM MacLeod ←G Thoizon	Culture provenance: RG Kenneth obtained the culture from ATCC, which received it from DM MacLeod, who received it from G Thoizon.
<i>Rhopalosiphum insertum</i> [Acari: Eriophyidae]	Original host [host's order and family]
Rec'd Jan 18 1976	Date of receipt by ARSEF.
France: Val-de-Marne, La Varenne	Country of origin followed by the locality and region.

***Hirsutella thompsonii* Fisher**

137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptruta oleivora* [Acari: Eriophyidae]. Jan 1 1970. USA: Orlando, Florida.

137	ARSEF accession number.
[ATCC 24874; CBS 952.73]	Alternative depositions of this strain in other culture collections.
CW McCoy (Fla. 68)	Depositor and depositor's reference or accession number.
<i>Phyllocoptruta oleivora</i> [Homoptera: Aphididae]	Original host together with the host's order and family.
Jan 1 1970	Date of accession or receipt by ARSEF. Note: January 1 is a default date if an exact date in a year is unknown; the first day of the month is the default if no specific day in a month is known.
USA: Orlando, Florida	Country of origin followed by the locality and state.

ABBREVIATIONS

Information about the world's officially registered culture collections, their registered acronyms (e.g., ARSEF), and more is available from the CCINFO database and from other resources available at the website of the World Data Center for Microbiology <http://wdcn.nig.ac.jp/WDCHomePage_text.html>

ARSEF	ARS Collection of Entomopathogenic Fungi, USDA-ARS BioIPM Research Unit, Robert W. Holley Center for Agriculture & Health, Tower Rd., Ithaca, New York, 14853-2901, USA
ATCC	American Type Culture Collection, PO Box 1549, Manassas, Virginia 20108, USA
CATIE	Centro Agronómico Tropical de Investigación y Enseñanza, Proyecto UIP, Apdo. Postal 7170, Turrialba, Costa Rica.
CBS	Centraalbureau voor Schimmelcultures, Uppsalalaan 8, 3584 CT Utrecht, The Netherlands
CCF	Culture Collection of Fungi, Department of Botany, Charles University, Prague, Czech Republic
CCFC	Canadian Collection of Fungus Cultures, Centre for Land and Biological Resources Research, Room 1015, K.W. Neatby Bldg., Ottawa, Ontario K1A 0C6, Canada
CDC	Centers for Disease Control and Prevention, Atlanta, Georgia 30333, USA
CENARGEN	Centro Nacional de Pesquisa de Recursos Geéticos e Biotecnologia, S.A.I.N. Parque Rural, C.P. 102372, 70770 Brasília, D.F., Brazil
CIRI	Corn Insects Research Unit, USDA-ARS, R.R. Box 45B, Ankeny, Iowa 50021, USA
CNPAF	National Center for Agricultural Research on Rice and Beans, EMBRAPA, Goiânia, Goiás, Brazil
CNPS	National Center for Agricultural Research on Soybeans, EMBRAPA, Londrina, Paraná, Brazil
CP	Strains isolated during joint US-Brazil program funded by US-AID to study fungal biocontrol of the insect pests of cowpeas
DAOM	National Mycological Herbarium, Centre for Land and Biological Resources Research, Agriculture Canada, Central Experimental Farm, Ottawa, Ontario, K1A 0C6, Canada
DAR	New South Wales Department of Agriculture, Rydalmere, NSW, Australia
EFCC	Korean Entomopathogenic Fungal Collection (JM Sung, Curator), Dept. of Agricultural Biology, Kangwon National University, Chuncheon, Rep. of Korea
FI	CSIRO Entomology Division, Collection of Entomopathogenic Fungi, Black Mountain Laboratories, Canberra, ACT, Australia. This collection, formerly curated by R. Milner, is now orphaned and is being transferred to ARSEF.
FPMI	Great Lakes Forestry Center (formerly Forest Pest Management Institute), 1219 Queen Street East, Sault Ste. Marie, Ontario P6A 5M7, Canada. This collection, formerly led by D MacLeod and D Tyrrell is orphaned and endangered. Its surviving isolates <i>may</i> be transferred to DAOM.
GCRI	Horticulture Research International (formerly, Glasshouse Crops Research Institute), Worthing Road, Littlehampton, W. Sussex BN17 6LP, England, UK
HACC	Hindustan Antibiotics Ltd., Pimpri, Poona, India
IMI	(Now incorporated in United Kingdom National Culture Collection [UKNCC]) CABI Bioscience, Bakeham Lane, Egham, Surrey TW20 9TY, UK

INRA	Station de Recherches de lutte Biologique et Biocoenotique, INRA (Institut National de la Recherche Agronomique), La Minière – 78280 Guyancourt, France
IPLB	Unité de Lutte Biologique, Institut Pasteur, 28 Rue de Dr. Roux, 75724 Paris, France
IRRI	International Rice Research Institute, P.O. Box 933, Manila, Philippines
KEFC	(see EFCC)
KSU	Kansas State University, Department of Entomology, Manhattan, Kansas 66506, USA
MAF	Ministry of Agriculture and Fisheries, Canterbury Agriculture and Science Centre, Ellesmere Junction Road, P.O. Box 24, Lincoln, New Zealand
MU	Miami University, Willard Sherman Turrell Herbarium, Department of Botany, 79 Upham Hall, Oxford, Ohio 45056, USA
NCTC	National Collection of Type Cultures, Public Health Laboratory Service, 61 Colindale Ave., London NW9 5HT, England, UK
NRRL	ARS Culture Collection, USDA-ARS National Center for Agricultural Utilization Research, 1815 N. University, Peoria, Illinois 61604, USA
PSU	The Pennsylvania State University, 211 Buckhout Laboratory, University Park, Pennsylvania 16802, USA
QEC	Queen Elizabeth College, University of London, Department of Biology, Campden Hill Road, London W8 7AH, England, UK
QM	U.S. Army Natick Laboratories (formerly, Quartermaster Research and Development Center), Natick Massachusetts. Note: This collection has been transferred to NRRL.
RSA	Rancho Santa Ana Botanic Garden, 1500 North College Ave., Claremont, California 91711, USA
SBI	Sugarcane Breeding Institute, Indian Council of Agricultural Research, Coimbatore – 641 007, Tamil Nadu, India
UAF	University of Arkansas, Department of Entomology, 321 Agriculture Building, Fayetteville, Arkansas 72701, USA
UAMH	University of Alberta Microfungus Collection, Devonian Botanic Garden, University of Alberta, Alberta T6G 2H7, Canada

Unidentified / Hyphomycetes

- 2177 MC Rombach (130586-18). *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.
- 2225 [ARSEF 2210] MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwung (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.
- 2999 SV Krueger (MF-Ec). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Feb 1990. USA: Geneva, New York. [Hemiascomycete].
- 3142 AT Gillespie ← J Aagesen. *Thrips tabaci* [Thysanoptera: Thripidae] on cucumber. Rec'd 27 Nov 1990. Denmark: Copenhagen, Tåstrup, Zealand.
- 3820 ERD Reyes (BbCH). Adult, *Aeveolus mexicanus* sorghum. 10 Sep 1992. Mexico: Guanajuato State. our number dom24.
- 4233 [DAT 118] AC Rath (F118). Soil. 11 Jan 1988. Australia: Rosarden, Avoca, Tasmania. Beauveria or Microhilum as contaminant.
- 4689 J McManus (Dn26.Cont.3p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL, Ithaca, New York. Laboratory contaminant found during routine screening assays. Suspected established contaminant which has accounted for large numbers of deaths in an established colony of RWA in quarantine facility.
- 4690 J McManus (Dn29.Cont.3p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Jul 1994. USA: USDA, Ithaca, New York. Laboratory contaminant found during routine screening assays. Suspected established contaminant which has accounted for large numbers of deaths in an established colony of RWA in quarantine facility.
- 4899 LA Lacey (95001). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Jan 1995. France: Haguenau, Alsace.
- 4900 LA Lacey (95002). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Jan 1995. France: Haguenau, Alsace.
- 4921 LA Lacey (95023). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4922 LA Lacey (95024). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4923 LA Lacey (95025). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4924 LA Lacey (95026). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4931 LA Lacey (95033). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4932 LA Lacey (95034). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5199 SR Booth (Cox). *Galleria mellonella* [Lepidoptera: Pyralidae]. Rec'd 28 May 1996. USA: Cranberry bog, Bandon, Oregon.
- 5223 LA Lacey (96001). *Popillia japonica* [Coleoptera: Scarabaeidae]. 13 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5224 LA Lacey (96002). *Popillia japonica* [Coleoptera: Scarabaeidae]. 10 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5225 LA Lacey (96003). *Popillia japonica* [Coleoptera: Scarabaeidae]. 10 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5226 LA Lacey (96004). *Popillia japonica* [Coleoptera: Scarabaeidae]. 16 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5227 LA Lacey (96005). *Popillia japonica* [Coleoptera: Scarabaeidae]. 16 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5237 P Timper (903a). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Pine Tree, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5238 P Timper (903b). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Pine Tree, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5239 P Timper (BG2). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1987. USA: Fayetteville, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5240 P Timper (907). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Russellville, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5241 P Timper (908). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Russellville, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5242 P Timper (TN-12). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Ripley, Tennessee. Anamorph of unidentified ascomycete ARF18.
- 5243 P Timper (TN-14). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Lauderdale, Tennessee. Anamorph of unidentified ascomycete ARF18.
- 5244 P Timper (KY-1). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: McCracken, Kentucky. Anamorph of unidentified ascomycete ARF18.
- 5245 P Timper (MS-1). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Desoto, Mississippi. Anamorph of unidentified ascomycete ARF18.

- 5246 P Timper (MS-3). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Desoto, Mississippi. Anamorph of unidentified ascomycete ARF18.
- 5247 P Timper (MS-5). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Tate, Mississippi. Anamorph of unidentified ascomycete ARF18.
- 5248 P Timper (MS-8). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Grenada, Mississippi. Anamorph of unidentified ascomycete ARF18.
- 5677 BL Parker (SPT-014). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.
- 5695 JM Sung (KEFC-1087). [Coleoptera: Curculionidae]. 9 Jul 1997. Republic of Korea: Yongmoon Mt., Gyeonggi Province.
- 5698 JM Sung (KEFC-1109). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.
- 6503 S Gouli and V Gouli (GA-330). [Hemiptera: Aphididae] on *Solidago gigantea* Ait., Late Goldenrod. 17 Aug 1998. USA: Burlington, Vermont.
- 6504 S Gouli and V Gouli (GA-347). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Brassica oleracea* L., broccoli. Oct 1999. USA: Starksboro, Vermont.
- 7066 Acc'd 4 Aug 2004.
- 7067 TG Andreadis. *Fiorinia externa* [Hemiptera: Diaspididae]. Rec'd 18 Oct 2002.
- 7074 KT Hodge (PR14). Twigs or petioles of unknown plant 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7076 KT Hodge (PR22). [Hemiptera: spf. Coccoidea] on leaf of *Schefflera morototoni*. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Bisley Trail, Río Grande Municipio, Puerto Rico.
- 7078 KT Hodge (PR31). [Diptera] on frond of *Prestoea montana*. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.
- 7081 KT Hodge (PR34). [Hemiptera: spf. Coccoidea] on living fern pinnae. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.
- 7086 KT Hodge (PR58A). [Hemiptera: spf. Coccoidea]. 8 Jul 2002. USA: Bosque Estatal de Susúa, Trail 5, Camino Mariano, Puerto Rico.
- 7345 M Liu. [Araneida] on *Citrus x paradisi* Macfad., grapefruit. . 11 Aug 2003. USA: Southwest Florida Research and Education Center, Immokalee, Florida.
- 7349 M Liu. 19 Aug 2003. USA: Lake Alfred, Florida.
- 7350 M Liu. 20 Aug 2003.
- 7374 LG Leite. [Acari] on leaves of *Coffea* sp., coffee. Rec'd 20 May 2004. Brazil: São Paulo.
- 7383 SB Alves. *Orthezia insignis* [Hemiptera: Ortheziidae]. Rec'd 28 Jul 2004. Brazil. **RESTRICTED ACCESS:** *contact Curator.*
- 7384 M Liu (ml173-2). 16 Dec 2003. USA: Guilarte, Route 518, beside school, Adjuntas, Puerto Rico. Cultured from *Tetracrium* sp.
- 7386 M Liu (ml180). [Hemiptera: Coccoidea]. 16 Dec 2003. USA: Guilarte, Adjuntas, Puerto Rico.
- 7392 M Liu (ml166). [Hemiptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico.
- 7518 M Shimazu (F-1208). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature). Identification verified genomically.
- 7678 P Chaverri (MC 155). Rec'd 14 Sep 2004.
- 7679 P Chaverri (MC 166). Rec'd 14 Sep 2004.
- 7802 L Erickson and CA Fuller (#8 HH23P all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.
- 7806 [SRCAMB B-56] V Likhovidov ← BA Borisov. [Hemiptera] Isolated from stroma. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-283.
- 8155 LS Bauer and H Liu (MF-246). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.
- 8179 LS Bauer and H Liu (MF-273). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.
- 8183 LS Bauer and H Liu (MF-281). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.
- 8184 LS Bauer and H Liu (MF-282). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Lansing, Michigan.
- 8480 WC Luz (eco 109) or (T11). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator.*
- 8598 [CSIRO FI-0931] Rec'd 18 May 2007.
- 8640 [ARSEF 7985; CENARGEN CG 422] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Dom Aquino, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator.*
- 8641 [CENARGEN CG 639] [Coleoptera]. Rec'd 18 Sep 2007. Ghana. **RESTRICTED ACCESS:** *consult Curator.*
- 9364 [ERL 1659] S Gouli and V Gouli (HWA-G-15). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9366 [ERL 1666] S Gouli (HWA-G-25) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

- 9538 [SRCAMB VL-1632/1] V Likhovidov. *Parthenolecanium corni* [Hemiptera: Coccidae]. 18 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-474.
- 9539 [SRCAMB VL-1555/2] V Likhovidov. [Hemiptera: Aleyrodidae]. 12 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-506.
- 9540 [SRCAMB VL-1715/3] V Likhovidov. Larva, [Lepidoptera]. 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-777.
- 10171 [ERL 1847] S Gouli and V Gouli (Thr.-10-55). [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.
- 10191 [ERL 1869] S Gouli (Thr.-10-77) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Westfield, Vermont.
- 10281 [ERL 1922] S Gouli (Thr.-10-129) and V Gouli. [Acari]. 2010. USA: Underhill, Vermont.
- 10282 [ERL 1927] S Gouli (Thr.-10-133) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10283 [ERL 1928] S Gouli and V Gouli (Thr.-10-134). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10284 [ERL 1929] S Gouli (Thr.-10-135) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10285 [ERL 1930] S Gouli (Thr.-10-136) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10286 [ERL 1931] S Gouli and V Gouli (Thr.-10-137). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10292 [ERL 1937] S Gouli and V Gouli (Thr.-10-143). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10293 [ERL 1938] S Gouli (Thr.-10-144) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10307 [ERL 1952] S Gouli and V Gouli (Thr.-10-158). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
- 10386 [ERL 1959] S Gouli (SB-10-6) and V Gouli. *Halymorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.
- 10387 [ERL 1960] S Gouli and V Gouli (SB-10-7). *Halymorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.
- 10392 [ERL 1965] S Gouli (SB-10-12) and V Gouli. *Halymorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.
- 11666 JL Hatting (TPC 019). *Cochliotis melolonthoides* [Coleoptera: Scarabaeidae]. 20 Jun 2011. Tanzania: Sugarcane field.
- 11752 [ERL 2001] Isolated from soil from ant nest. 2011. USA: Ozona, Texas.
- 12027 [ERL 2106] S Gouli (A-12/5) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: Animas, New Mexico.
- 12028 [ERL 2107] S Gouli (A-12/6) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: Animas, New Mexico.
- 12029 [ERL 2108] S Gouli (A-12/7) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Santa Cruz County, Arizona.
- 12030 [ERL 2109] S Gouli (A-12/8) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: McCartney Road, Arizona.
- 12031 [ERL 2110] S Gouli (A-12/9) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Fredericksburg, Texas.
- 12041 [ERL 2121] S Gouli (A-12/20) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: McCartney Road, Arizona.
- 12042 [ERL 2122] S Gouli (A-12/21) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: McCartney Road, Arizona.
- 12043 [ERL 2124] S Gouli (A-12/23) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: Fredericksburg, Texas.
- 12044 [ERL 2125] S Gouli (A-12/24) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: Fredericksburg, Texas.
- 12045 [ERL 2126] S Gouli (A-12/25) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: Fredericksburg, Texas.
- 12047 [ERL 2132] S Gouli (A-12/31) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: State Line Road, Arizona.
- 12085 [ERL 2172] S Gouli and V Gouli (PS-12/34). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Charlestown, Rhode Island.
- 12086 [ERL 2173] S Gouli (HWA-12/1) and V Gouli. Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.
- 12087 [ERL 2174] S Gouli and V Gouli (HWA-12/2). Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.
- 12088 [ERL 2175] S Gouli (HWA-12/3) and V Gouli. Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.
- 12090 [ERL 2177] S Gouli (HWA-12/5) and V Gouli. Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.

- 12163 I Erper (TR-55-1). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12164 I Erper (TR-55-2). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12167 I Erper (TR-55-5). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12170 I Erper (TR-06-2). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12171 I Erper (TR-78-1). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12176 I Erper (TR-78-6). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12178 I Erper (TR-78-8). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12179 I Erper (TR-78-9). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12180 I Erper (TR-78-10). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12181 I Erper (TR-78-11). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.

Unidentified / Zygomycetes

- 2022 IL Sivcev (55/85). *Aphis fabae* [Hemiptera: Aphididae] on poppy. 1985. Yugoslavia: Micunovo, Vovodina.
- 4970 J McManus (DnId95Co24p). *Diuraphis noxia* [Hemiptera: Aphididae]. 12 Jun 1995. USA: Experimental plot; U. Idaho Research & Extension Center, Aberdeen, Idaho.
- 4971 J McManus (DnId95Co14p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Jun 1995. USA: Experimental plot; U. Idaho Research & Extension Center, Aberdeen, Idaho.
- 6119 BL Parker (GA 339). Adult, *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 16 Feb 1999. Syria: ICARDA.
- 6157 BL Parker (GA-267-10). [Hemiptera: Aphididae] on *Asclepias syriaca*. 26 Sep 1997. USA: Burlington, Vermont.
- 6158 BL Parker (GA-279). [Hemiptera: Aphididae] on *Asclepias syriaca*. 28 Sep 1997. USA: Burlington, Vermont.
- 6159 BL Parker (GA-305). [Hemiptera: Aphididae] on bean. 16 Oct 1997. USA: Burlington, Vermont.
- 6160 BL Parker (GA-337). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 16 Feb 1999. Syria: ICARDA.
- 6507 S Gouli and V Gouli (GA-356). [Hemiptera: Aphididae] on *Lactuca sativa* L., lettuce. 12 Sep 1999. USA: Burlington, Vermont.
- 6508 S Gouli and V Gouli (GA-357). [Hemiptera: Aphididae] on *Asclepias syriaca* L., Common Milkweed. 26 Sep 1999. USA: Burlington, Vermont.
- 6509 S Gouli and V Gouli (GA-358). [Hemiptera: Aphididae] on *Pisum sativum* L., garden peas. 7 Aug 1999. USA: Burlington, Vermont.

- 6510 S Gouli and V Gouli (GA-359). [Hemiptera: Aphididae] on *Capsicum annuum* L., pepper. 25 Sep 1999. USA: Burlington, Vermont.
- 6511 S Gouli and V Gouli (GA-360). [Hemiptera: Aphididae] on *Brassica oleracea* L., cabbage. 25 Sep 1999. USA: Burlington, Vermont.
- 7943 B Huang (B4). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

Unidentified Entomophthorales sp.

[Entomophthoromycotina: Entomophthorales]

- 7227 AE Hajek (03 NY 8-1-1). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.
- 7228 AE Hajek (03 NY 8-1-2). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.
- 7229 AE Hajek (03 NY 8-1-3). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.
- 7230 AE Hajek (03 NY 8-1-4). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.

Unidentified sp.

These fungi were accessioned without verified identifications. Many strains listed here will be reassigned to known taxa as quickly as the opportunity allows. Some strains are undescribed new species; some are sterile and may not be identifiable to a level lower than the class.

- 1013 J Aoki (Ent. 38) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1051 J Aoki (Ent. 39) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1356 [ARSEF 1420] S Balazy (1595c). Rec'd 19 May 1984. Poland.
- 1415 S Balazy (1550). Larva, *Hibernia defoliaria* [Lepidoptera: Geometridae] attached to the underside of leaves in forest undergrowth. 22 May 1983. Poland: Bialowieza National Park.
- 1417 S Balazy (1547b). Larva, *Hibernia defoliaria* [Lepidoptera: Geometridae] attached to the underside of leaves in forest undergrowth. 22 May 1983. Poland: Bialowieza National Park.
- 1419 S Balazy (1451'). [Araneida] under a leaf of *Tussilago farfara* in a deciduous forest. 2 Aug 1982. Poland: Wielkopolski National Park.
- 1420 [ARSEF 1356] S Balazy (1595c). Rec'd 19 May 1984. Poland.
- 1421 S Balazy (1552). Adult, *Cratichneumon lanius* [Hymenoptera: Ichneumonidae] attached to the underside of a leaf. 21 May 1983. Poland: Bialowieza National Park.

- 1423 S Balazy (1508m). Juveniles & adults, [Hemiptera] attached to underside of leaves of *Stachys silvaticus* in a leafy forest. 26 Jul 1982. Poland: Wielkopolski National Park.
- 1634 [ARSEF 1667 (deaccessioned)] TJ Poprawski (0120). Nymph, [Coleoptera]. 27 Jun 1984. France: Saint-Étienne du Bois, Loire.
- 1693 IL Sivcev (202). Alate, [Hemiptera: Aphididae] on cabbage. 26 Jun 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1694 IL Sivcev (216). Alate, [Hemiptera: Aphididae] on cabbage. 10 Jul 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1703 MC Rombach (E). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. Acc'd 6 Nov 1984. Philippines: IRRRI, Los Baños, Manila.
- 1922 M Shimazu (FE2). [Diptera]. Summer 1985. USA: Allegany State Park, Salamanca, New York.
- 2528 GC Carroll (VO25) ← R Radcliffe. Phylum Nemata, Class Secernentea baited with barnyard soil. Winter 1982. USA: Marcola, Oregon.
- 2563 JC Lord (Bartow C). *Anopheles* sp. [Diptera: Culicidae]. 8 Feb 1988. USA: abandoned phosphate pit, Bartow, Florida.
- 2640 DW Roberts ← SB Alves (587). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 23 Nov 1988. Brazil: Cuiabá, Mato Grosso.
- 2746 GW Riethmacher (B10K). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 28 Feb 1989. Philippines: La Trinidad, Benguet.
- 2821 GW Riethmacher (E8). *Plutella xylostella* [Lepidoptera: Plutellidae]. 4 May 1989. Philippines: La Trinidad, Benguet.
- 3122 G Mercadier and TJ Poprawski (8854 (first form)). [Hemiptera: Aphididae] on *Bromus* sp. 10 Aug 1988. France: Béhoust, Yvelines.
- 3123 K Ostrovska (53). *Lutzomyia* sp. [Diptera: Psychodidae]. Rec'd 3 Dec 1991. Costa Rica: La Montana.
- 3124 K Ostrovska (54). *Lutzomyia* sp. [Diptera: Psychodidae]. Rec'd 3 Dec 1991. Costa Rica: Nazareth, Guanacaste.
- 3125 G Mercadier and TJ Poprawski (9009). [Hemiptera: Aphididae] on asparagus. 30 May 1990. France: Béhoust, Yvelines.
- 3128 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 12 Oct 1990. USA: greenhouse colony, Ithaca, New York.
- 3209 Yoder Bros. Inc. [Araneida] on azalea. Rec'd 27 Mar 1992. Location not specified.
- 3227 M Nadeau (213). Adult, [Diptera: Simuliidae]. 1 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3228 M Nadeau (336). Adult, [Diptera: Simuliidae]. 17 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3230 M Nadeau (371). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3231 M Nadeau (362). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3232 M Nadeau (327). Adult, [Diptera: Simuliidae]. 4 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3233 M Nadeau (373). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3235 M Nadeau (329). Adult, [Diptera: Simuliidae]. 4 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3236 M Nadeau (454). Adult, [Diptera: Simuliidae]. 11 Sep 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3239 I Majchrowicz (2) ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
- 3242 M Nadeau (421). Adult, [Trichoptera]. 16 Aug 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3243 M Nadeau (386). Adult, [Trichoptera]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3245 M Nadeau (231). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3246 M Nadeau (240). Adult, [Diptera: Simuliidae]. 20 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3247 M Nadeau (228). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3298 J Gutierrez Samperio (14) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3299 J Gutierrez Samperio (15) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3304 J Gutierrez Samperio (20) ← ERD Reyes. *Dialeurodes citri* [Hemiptera: Aleyrodidae] on Citrus. 1990. Mexico: Tecomán, Colima.
- 3319 M Brownbridge (Perry 3). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. Location not specified.
- 3368 N Underwood ← SP Wraight. *Metopolophium dirhodum* [Hemiptera: Aphididae] on late-sown spring wheat. 9 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.

- 3374 MB von Wechmar ← JM Laubscher. *Rhopalosiphum padi* [Hemiptera: Aphididae]. Sep 1989. South Africa: (32.48 S; 18.53 E) Pools, South Western Cape, Cape Province. Virus contaminants: aphid lethal paralysis virus (ALPV) and *Rhopalosiphum padi* virus (RhPV); Family: Picornaviridae, (tentative genus: *Enterovirus*).
- 3378 K Ostrovska (3) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.
- 3380 K Ostrovska (6) ← GC Lanzaro. *Anopheles gambiae* [Diptera: Culicidae]. 24 Aug 1991. Mali: inside houses, Werekla, Koulikoro.
- 3381 K Ostrovska (9) ← GC Lanzaro. *Anopheles gambiae* [Diptera: Culicidae]. 24 Aug 1991. Mali: inside houses, Werekla, Koulikoro.
- 3413 K Ostrovska (20) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3417 K Ostrovska (26) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3419 K Ostrovska (29) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3420 K Ostrovska (31) ← MV Herrero. *Lutzomyia* sp. [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3421 K Ostrovska (33) ← MV Herrero. *Lutzomyia* sp. [Diptera: Psychodidae]. 23 Sep 1991. Costa Rica: Brasilito, Guanacaste.
- 3422 K Ostrovska (34) ← MV Herrero. Male, *Lutzomyia longipalpis* [Diptera: Psychodidae]. 23 Sep 1991. Costa Rica: Brasilito, Guanacaste.
- 3423 K Ostrovska (35). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.
- 3424 K Ostrovska (36). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.
- 3425 K Ostrovska (37). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.
- 3426 K Ostrovska (40). Male, *Lutzomyia trapidoi* [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.
- 3427 K Ostrovska (42). *Lutzomyia* sp. [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.
- 3428 K Ostrovska (47). *Lutzomyia* sp. [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.
- 3466 CENARGEN (CG 6). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3467 CENARGEN (CG 134). Pupa, *Euselasia* sp. [Lepidoptera: Riodinidae]. 1988. Brazil: Rio Grande do Sul.
- 3468 CENARGEN (CG 135). Larva, *Euselasia* sp. [Lepidoptera: Riodinidae]. 1988. Brazil: Rio Grande do Sul.
- 3470 CENARGEN (CG 182). Soil. Jun 1990. Brazil: Campo Grande, Mato Grosso.
- 3471 CENARGEN (CG 304). *Sternechus subsignatus* [Coleoptera: Curculionidae]. 1990. Brazil: Passo Fundo, Rio Grande do Sul.
- 3473 CENARGEN (CG 309). Soil. 1990. Brazil: Salto da Divisa, Mato Grosso.
- 3474 CENARGEN (CG 310). Soil. 1990. Brazil: Jequiê, Bahia.
- 3475 CENARGEN (CG 188). Soil. 1991. Brazil: Brasília, Distrito Federal.
- 3476 CENARGEN (CG 189). Soil. 1991. Brazil: Brasília, Distrito Federal.
- 3478 CENARGEN (CG 311). *Aracanthus* sp. [Coleoptera: Curculionidae]. 1990. Brazil: Santa Maria, Rio Grande do Sul.
- 3536 J Hernández Ramírez (2). *Prosapia simulans* [Hemiptera: Cercopidae]. Rec'd 23 Jan 1992. Costa Rica.
- 3560 M Brownbridge (R-28). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3567 M Brownbridge (HL-4). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.
- 3568 M Brownbridge (HL-5). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.
- 3569 M Brownbridge (HL-6). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.
- 3570 M Brownbridge (WFT-3). *Frankliniella occidentalis* [Thysanoptera: Thripidae] on chrysanthemum. Aug 1991. USA: greenhouse, Burlington, Vermont.
- 3571 M Brownbridge (S-1). Soil. 12 Jan 1992. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3624 CENARGEN (CG 186). Soil. Jun 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3625 CENARGEN (CG 193). Soil. Oct 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3626 CENARGEN (CG 262). Soil. May 1991. Brazil: Tocanio, Goiás.
- 3627 CENARGEN (CG 263). Soil. Jun 1991. Brazil: Coronel Musto, Mato Grosso.
- 3628 CENARGEN (CG 264). Soil. Jun 1991. Brazil: Itacambari, Mato Grosso.
- 3629 CENARGEN (CG 265). Soil. May 1991. Brazil: Porto Nacional, Goiás.
- 3630 CENARGEN (CG 266). Soil. May 1991. Brazil: Balsas, Maranhão.
- 3631 CENARGEN (CG 268). Soil. Jun 1991. Brazil: Mato Grosso.
- 3632 CENARGEN (CG 269). Soil. Jun 1991. Brazil: Coronel Musto, Mato Grosso.

- 3633 CENARGEN (CG 270). Soil. May 1991. Brazil: Araguaína, Goiás.
- 3634 CENARGEN (CG 271). Soil. May 1991. Brazil: Teresina, Piauí.
- 3635 CENARGEN (CG 275). Soil. May 1991. Brazil: Tasso Fragoso, Maranhão.
- 3636 CENARGEN (CG 308). Soil. Jun 1990. Brazil: Sorriso, Mato Grosso.
- 3637 CENARGEN (CG 334). Soil. Oct 1990. Brazil: Campinas, São Paulo.
- 3638 CENARGEN (CG 335). Soil. Jun 1990. Brazil: Barra do Garça, Mato Grosso.
- 3639 CENARGEN (CG 345) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3640 CENARGEN (CG 346) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3641 CENARGEN (CG 347) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3642 CENARGEN (CG 348) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3643 CENARGEN (CG 349) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3644 CENARGEN (CG 350) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3645 CENARGEN (CG 351) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3646 CENARGEN (CG 352) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3647 CENARGEN (CG 353) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3648 CENARGEN (CG 354) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3649 CENARGEN (CG 355) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3650 CENARGEN (CG 356) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3651 CENARGEN (CG 357) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3652 CENARGEN (CG 358) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3653 CENARGEN (CG 359) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3654 CENARGEN (CG 360) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3655 CENARGEN (CG 361) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3656 CENARGEN (CG 362) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3657 CENARGEN (CG 363) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3714 RA LeBrun ← J Hanula (C-5). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 1 Jul 1991. Location not specified.
- 3719 RA LeBrun ← J Hanula (W-2). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.
- 3722 Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 21 Jun 1991. USA: Groton, Connecticut.
- 3724 S DeFazio. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 18 May 1992. Location not specified.
- 3726 P Narayanasamy (33). Rec'd 28 May 1992. Location not specified.
- 3727 P Narayanasamy (31). Rec'd 28 May 1992. Location not specified.
- 3728 P Narayanasamy (34). Rec'd 28 May 1992. Location not specified.
- 3729 P Narayanasamy (32). Rec'd 28 May 1992. Location not specified.
- 3739 AE Hajek ← JA Tanner ← L Garcia. 23 Apr 1992. USA: in or near an old trap, North Carolina.
- 3766 DW Roberts ← A Bellotti (9241). 3 Apr 1992. Colombia.
- 3773 SP Wraight (SPW-13). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 18 Jul 1992. India: Padappai.
- 3779 SP Wraight (SPW-14). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] eggplant leaves. 18 Jul 1992. India: Padappai.
- 3793 ARN Farias. Rec'd 19 Oct 1992. Brazil: Mandioca.
- 3794 M Brownbridge (MLC1). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 23 Feb 1993.
- 3796 M Brownbridge (MLC9). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 26 Feb 1993.
- 3797 M Brownbridge (MLC11). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 26 Feb 1993. Location not specified.
- 3798 ERD Reyes (PF2). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 31 Jul 1990. Mexico: Colima.
- 3799 ERD Reyes (PF3). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 6 Jan 1991. Mexico: Colima.
- 3801 ERD Reyes (SMB1). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 9 Feb 1992. Mexico: Colima.
- 3802 ERD Reyes (SMBIII). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 9 Feb 1992. Mexico: Colima.
- 3803 ERD Reyes (PFRD). Larva, *Dyaphania hialinata* melon. 5 Nov 1990. Mexico: Colima.
- 3804 ERD Reyes (VD). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae] sugarcane. 25 Mar 1992. Mexico: Colima.
- 3805 ERD Reyes (MBP). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.

- 3806 ERD Reyes (MBCH). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.
- 3807 ERD Reyes (PFY). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.
- 3821 ERD Reyes (BbCO2) or (BbH). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae] OVERWINTERING SITE. 9 Oct 1992. Mexico: Guanajuato State.
- 3841 LA Lacey (92140). *Popillia japonica* [Coleoptera: Scarabaeidae]. Rec'd 24 Nov 1992. Portugal: Terceira Island, Azores.
- 3842 LA Lacey (92101). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 27 Sep 1992. Pakistan: Multan.
- 3844 LA Lacey (92133). ?, *Bemisia tabaci* [Hemiptera: Aleyrodidae] ?. Rec'd 24 Nov 1992. Nepal: Katmandu Valley, Katmandu.
- 3845 LA Lacey (92113). ?, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 14 Oct 1992. Pakistan: Multan.
- 3847 LA Lacey (92102). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 4 Oct 1992. Pakistan: Multan.
- 3849 LA Lacey (92153). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 8 Sep 1992. Pakistan: Multan.
- 3850 LA Lacey (92124). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 16 Oct 1992. Pakistan: Multan.
- 3856 [JB Tavares BRA-000132] MS Tigano-Milani (CG-334). Soil. Rec'd 13 Jan 1993. Brazil.
- 3860 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#2). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.
- 3869 LA Lacey (92158). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Sep 1992. India: Podumbu.
- 3876 LA Lacey (92117) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Jan 1993. Pakistan: Multan.
- 3894 LA Lacey (92075) ← G Mercadier. [Hemiptera: Aphididae]. 19 Jun 1992. USSR: Caucasus . Host: cereal aphids.
- 3943 NSA Negreiros (7567). 24 May 1993.
- 3944 Acc'd 18 Oct 1993.
- 3945 Rec'd 7 Jul 1993.
- 3947 Rec'd Jul 1993.
- 3962 Acc'd 18 Oct 1993.
- 3980 LA Lacey (93017) ← S Reichert. Adult, *Oulema melanopus* [Coleoptera: Chrysomelidae]. 19 Apr 1993. France: La Valette.
- 3990 LA Lacey (93027) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.
- 3991 LA Lacey (93028) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.
- 3992 LA Lacey (93029) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.
- 3993 LA Lacey (93030) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3994 LA Lacey (93031) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3997 LA Lacey (93034) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3998 LA Lacey (93035) ← F Herard. Larva, *Yponomeuta* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 4000 LA Lacey (93037) ← Heruies. [Hemiptera: Membracidae]. 4 Apr 1993. Brazil: Bahia.
- 4003 LA Lacey (93040) ← Heruies. [Hemiptera: Aleyrodidae] Citrus. 30 Apr 1993. Brazil: Bahia.
- 4037 T Steenberg (251). *Phyllotreta nigripes* [Coleoptera: Chrysomelidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4140 [DAT 25] AC Rath (F025). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1986. Australia: Hamilton, Tasmania.
- 4147 [DAT 87] AC Rath (F087) ← H Yip. Soil. 6 Jan 1988. Australia: Mt Wellington, Hobart, Tasmania.
- 4201 LA Lacey (94014) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 5 May 1993. Spain: Murcia.
- 4204 LA Lacey (94035). [Hemiptera: Aphididae] Eggplant. 24 Mar 1994. Malaysia: Kuala Terla.
- 4214 LA Lacey (94046) ← K Hopper. [Hemiptera: Aphididae] Wheat. 19 Mar 1994. Israel: Negeu Desert, Revevim.
- 4215 LA Lacey (94042) ← K Hopper. [Hemiptera: Aphididae] Wheat. 19 Mar 1994. Israel: Negeu Desert, Revevim.
- 4844 JM Sung (C-45). Adult, [Hymenoptera: Apidae]. 14 Aug 1990. Republic of Korea: Guryungryung, Kangwon-do.
- 4859 BL Parker (AVRDC-0058B). Soil Eggplant. 14 Mar 1994. Republic of China: AVRDC Field 105, Taiwan.
- 4860 BL Parker (AVRDC-0321B). Soil Home Garden, Mixed vegetables. 12 May 1994. Republic of China: Taiwan.
- 4861 BL Parker (AVRDC-0337B). Soil Eggplant. 18 May 1994. Republic of China: NPPI, Taiwan.
- 6370 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 2 Jul 1997. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.
- 6463 [CIAT 048] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6466 [CIAT 051] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

- 6895 E Zhioua (Tick #1). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.
- 6899 E Zhioua (Tick #4). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.
- 7070 KT Hodge (PR7). [Hemiptera: Aleyrodidae] on large leaves. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 9334 [ERL 1634] S Gouli (SVG-09) and V Gouli. *Tipula* sp. [Diptera: Tipulidae]. 2009. USA: Vermont.
- 9921 [ERL 1756] S Gouli (HWA-G-34) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: Maine.
- 11784 AP Gryganskyi (Caterp 1b). Rec'd 29 May 2012.
- 12091 Acc'd 9 Jul 2013.

***Acremonium* sp.**

[Sordariomycetes: Hypocreales]

- 4058 T Steenberg (BP2). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4059 T Steenberg (BP4). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4063 T Steenberg (TT5) ← H Brødsgaard. *Thrips tabaci* [Thysanoptera: Thripidae]. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 5773 BL Parker (AT 145). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.
- 7402 M Liu (ml189). 17 Dec 2003. USA: Toro Negro, Puerto Rico.
- 11667 JL Hatting (MSIRI 58). *Pulvinaria iceryi* [Hemiptera: Coccidae]. 25 Jul 2011. Mauritius: Sugarcane field, Mare d'Australia, Flacq.

***Acremonium alternatum* Link : Fries**

[Sordariomycetes: Hypocreales]

- 7282 FE Vega (CBB9-2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jan 2004. Colombia: Chinchiná, Caldas.

***Acremonium bactrocephalum* W Gams**

[Sordariomycetes: Hypocreales]

- 10166 [ERL 1828] S Gouli (Thr.-10-36) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.
- 10167 [ERL 1829] S Gouli and V Gouli (Thr.-10-37). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10168 [ERL 1830] S Gouli (Thr.-10-38) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10169 [ERL 1831] S Gouli and V Gouli (Thr.-10-39). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.

***Acremonium berkeleyanum* (Karsten) Gams**

[Sordariomycetes: Hypocreales]

Nectriaceae

- 2067 [ATCC 64865] GC Carroll (3(RSRS-0/34)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

***Acremonium furcatum* F&R Moreau ex Gams**

[Sordariomycetes: Microascales]

Microascaceae

- 1372 TJ Poprawski (083). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 21 Jun 1983. France: Choisy-en-Brie, Haute-Savoie.

***Acremonium psammosporum* W Gams**

[Sordariomycetes: Hypocreales]

- 4062 T Steenberg (TT3) ← H Brødsgaard. *Thrips tabaci* [Thysanoptera: Thripidae]. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

***Acremonium roseum* (Oudemans) Gams**

[Sordariomycetes: Hypocreales]

- 1964 [CNPAF 85-7-30; CP 190] JC Lord and BP Magalhães. *Pseudoplusia ni* [Lepidoptera: Noctuidae]. 30 Jul 1985. Brazil: Nordeste.

***Acremonium*(?) sp.**

[Sordariomycetes: Hypocreales]

- 7031 RG Hollingsworth (KNF2001-10). *Frankliniella occidentalis* [Thysanoptera: Thripidae] from laboratory colony. 16 May 2001. USA: U. S. Pacific Basin Agricultural Research Center, Hilo, Hawaii.
- 7036 RG Hollingsworth (KNF2002-6). [Hemiptera: Coccidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
- 9368 [ERL 1668] S Gouli (HWA-G-17) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

***Acrodontium crateriforme* (Van Beyma) de Hoog**

[Leotiomycetes: Leotiales]

Leotiaceae

- 2070 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

***Akanthomyces aculeatus* Lebert**

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 7351 M Liu. 20 Sep 2003. limestone peak.

Akanthomyces clavatus (Mains) *comb. nov.*, unpublished
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7577 RM Pereira (Y4Y). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. 16 Dec 2003. USA: USDA ARS CMAVE, Gainesville, Florida.

Akanthomyces gracilis Samson & HC Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2910 CBS (741.73). *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana.

2919 CBS (141.73) ← RA Samson. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve.

Alternaria sp.
[Dothideomycetes: Pleosporales]
Pleosporaceae

6588 RT Mayer (FIEP #21). Rec'd 21 Sep 2000.

Amoebidium appalachense Siri, MM White & Lichtwardt
[Mesomycetozoea: Amoebidiales]

9181 RW Lichtwardt (TN-27-W1A). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9255 RW Lichtwardt (TN-27-A3(a)). *Chironomus* sp. [Diptera: Chironomidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

9256 RW Lichtwardt (TN-27-W4). *Chironomus* sp. [Diptera: Chironomidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

Amoebidium parasiticum Cienkowski
[Mesomycetozoea: Amoebidiales]

9182 RW Lichtwardt (FRA-1-14). [Cladocera]. Jun 1968. France: Hérault.

9183 RW Lichtwardt (JAP-7-2). *Chironomus* sp. [Diptera: Chironomidae]. Mar 1964. Japan: Honshu.

9257 RW Lichtwardt (A1a). [Cladocera]. 1959. USA: southern California, California.

Aphanocladium sp.
[Sordariomycetes: Hypocreales]

8457 [CEP 200; LPSC 879] AV Toledo. Adult, *Delphacodes kuscheli* [Hemiptera: Delphacidae] on *Hordeum vulgare* L., barley. 6 Jun 2005. Argentina: La Plata, Buenos Aires.

8458 [CEP 201; LPSC 880] AV Toledo. Adult, *Delphacodes kuscheli* [Hemiptera: Delphacidae] on *Hordeum vulgare* L., barley. 6 Jun 2005. Argentina: Los Hornos, Buenos Aires.

Aphanocladium album (Preuss) Gams
[Sordariomycetes: Hypocreales]
Nectriaceae

1329 TJ Poprawski (085). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 5 Jun 1983. France: Chichery.

3680 LS Osborne. *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tomato. Rec'd Apr 1992. USA: Apopka, Florida.

5756 BL Parker (SPT 026/2). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Al Kilabia.

5998 KT Hodge. Rec'd 1 Dec 1998. USA: Oregon.

6492 BL Parker (SPT-KZ-425). Exuvium, [Araneida: Araneae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**

contact Curator

Aphanomyces sp.
[Oomycetes: Saprolegniales]
Leptolegniaceae

2005 [ATCC 58381] BA Jaffee (Lag3). *Xiphinema americanum* [Dorylaimida: Longidoridae]. 9 Jul 1984. USA: Adams County, Pennsylvania.

Arthrobotrys amerospora Schenck, Kendrick & Pramer
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4808 Host not specified. Rec'd 29 Sep 1994. Location not specified.

4809 [CBS CBS 325.94] A Rubner (A.R. 9226). Host not specified. Rec'd 29 Sep 1994. Location not specified.

Arthrobotrys brochopaga (Drechsler) Schenck, Kendrick & Pramer
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4815 [CBS 332.94] A Rubner (AR 9314). From rural soil. Mar 1993. Ecuador: Provincia de Manabí.

4937 BA Jaffee (CR125). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994.

Arthrobotrys cladodes var. *macroides* Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4800 A Rubner (AR 9337). From soil of warm greenhouse. Sep 1993. Germany: Botanical Garden, Jena, Gera.

Arthrobotrys conoides Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4804 A Rubner (AR 934). From soil under *Rumex* sp. Oct 1992. Spain: Chavio verde, La Palma, Canary Islands.

Arthrobotrys haptotyla Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5435 BA Jaffee (AK161). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

Arthrobotrys musiformis Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3730 BA Jaffee (MN101). Rec'd 1 Jun 1992. USA: Merced County, California.

4938 BA Jaffee (AN139). Used as bait., *Steinernema glaseri* Soil dilution agar/Soil sprinkle plate. 1994. Laboratory manipulation. Three dimensional, adhesive networks.

Arthrobotrys oligospora Fresenius
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3347 BA Jaffee (A01). Soil. 1981. USA: Edgefield City, South Carolina.

3732 BA Jaffee (MN103). Rec'd 1 Jun 1992. USA: Merced County, California.

4939 BA Jaffee (AN141). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

4967 N Viaene (41). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] from soil. Summer 1994. USA: Ferlito Farm, Oswego, New York.

5411 KT Hodge. Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5561 I Klingen (TØF 20.1). Pupa, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Sparbu, Nord Trøndelag.

5562 I Klingen (VFA 7.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 4 Sep 1996. Norway: Trofors, Nordland.

Arthrobotrys oligospora* var. *oligospora Fresenius
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3369 KT Hodge ← P John (Ar□). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

3370 KT Hodge ← P John (Ar2). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

Arthrobotrys superba Corda
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4940 BA Jaffee (AN142). Used as bait, *Steinernema glaseri* Soil dilution agar/Soil sprinkle plate. 1994. Laboratory manipulation. Three dimensional, adhesive networks.

Arthrobotrys thaumasia Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5434 BA Jaffee (AN159). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

***Aschersonia* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

2351 [ARSEF 2397] MC Rombach (131286-19). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2357 [ARSEF 2392 (never frozen)] MC Rombach (301286-7). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 30 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2358 [ARSEF 2393 (never frozen)] MC Rombach (301286-8). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Maoutia* sp. 30 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2397 [ARSEF 2351] MC Rombach (131286-19). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2398 MC Rombach (131286-13). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: Gunung Merapi, Yogyakarta, Java.

3014 SR Sánchez Peña. [Hemiptera: Aleyrodidae] on *Citrus* sp. (orange) leaves. 26 May 1990. Mexico: orange (Citrus) orchard, Gómez Farias, Tamaulipas.

3015 SR Sánchez Peña. Nymph, [Hemiptera] on *Ficus* sp. 26 May 1990. Mexico: orange (Citrus) orchard, Gómez Farias, Tamaulipas.

4098 LA Lacey (94008). Rec'd 28 Mar 1994. Brazil. No sporulation to allow for confirmation of ID.

4207 LA Lacey (94039). [Hemiptera: Aleyrodidae]. 23 Mar 1994. Malaysia: Ringlet.

4208 LA Lacey (94037). [Hemiptera: Aleyrodidae]. 8 Mar 1994. Thailand: Kao Yaï.

4210 LA Lacey (94038). [Hemiptera: Aleyrodidae]. 28 Mar 1994. Malaysia: Kuala Lumpur.

4424 LA Lacey (94010). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

- 4426 LA Lacey (94098). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.
- 4430 LA Lacey (94102). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.
- 4431 LA Lacey (94103). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.
- 4432 LA Lacey (94104). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.
- 4433 LA Lacey (94024). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4434 LA Lacey (94025). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4435 LA Lacey (94080). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4436 LA Lacey (94081). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4437 LA Lacey (94082). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4438 LA Lacey (94083). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4439 LA Lacey (94084). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4440 LA Lacey (94085). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4441 LA Lacey (94086). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4442 LA Lacey (94087). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4443 LA Lacey (94088). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4444 LA Lacey (94089). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4445 LA Lacey (94090). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.
- 4448 LA Lacey (94092). [Hemiptera: Aleyrodidae] Malastroma. 28 Mar 1994. Malaysia: Kuala Lumpur.
- 4449 LA Lacey (94093). [Hemiptera: Aleyrodidae] Malastroma. 28 Mar 1994. Malaysia: Kuala Lumpur.
- 5215 KT Hodge (FAH121) ← FA Harrington (FH121). [Hemiptera: Aleyrodidae] Fern leaves. Jan 1996. USA: Reserva Forestal Guajataca, Puerto Rico.
- 5216 KT Hodge (U0043). [Hemiptera: Aleyrodidae] Mimiropsis leaves. 4 Jul 1995. Uganda: Bwindi Swamp Camp, Bwindi Impenetrable National Park.
- 7071 KT Hodge (PR8). On fern fronds 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7073 KT Hodge (PR12). Underside of leaves 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7077 KT Hodge (PR23). Underside of separate leaves 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Bisley Trail, Río Grande Municipio, Puerto Rico.
- 7082 KT Hodge (PR42). On living leaves from unidentified tree 6 Jul 2002. USA: El Yunque, Caribbean National Forest, trail downhill from Palo Colorado Station, Río Grande Municipio, Puerto Rico.
- 7083 KT Hodge (PR51). 7 Jul 2002. USA: El Yunque, Caribbean National Forest, El Toro Trail at Route 186, Río Grande Municipio, Puerto Rico.
- 7084 KT Hodge (PR52). 7 Jul 2002. USA: El Yunque, Caribbean National Forest, El Toro Trail at Route 186, Río Grande Municipio, Puerto Rico.
- 7085 KT Hodge (PR58). [Hemiptera: spf. Coccoidea] on fronds of *Zamia portoricensis*. 8 Jul 2002. USA: Bosque Estatal de Susúa, Trail 5, Camino Mariano, Puerto Rico.
- 7087 KT Hodge (PR71). 9 Jul 2002. USA: Bosque del Pueblo, Vereda de los Niños, Adjuntas, Puerto Rico.
- 7091 KT Hodge (PR75). 9 Jul 2002.
- 7092 KT Hodge (PR76). 9 Jul 2002.
- 7310 M Liu (FL15). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67398.
- 7311 M Liu (FL16). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67399.
- 7313 M Liu (FL18). Aug 2003. USA: Charlotte County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67403.
- 7314 M Liu (FL19). on *Citrus x paradisi* Macfad., grapefruit. Aug 2003. USA: Edison Park, Fort Myers, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67404.
- 7317 M Liu (FL22). on *Citrus* sp., citrus. Aug 2003. USA: Lee County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67407.
- 7318 M Liu (FL23). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67409.
- 7319 M Liu (FL24). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67409.
- 7320 M Liu (FL25). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67410.
- 7321 M Liu (FL26). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67410.

- 7322 M Liu (FL27). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Dr. Cave's experiment plot, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67411.
- 7323 M Liu (FL28). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67413.
- 7324 M Liu (FL29). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67413.
- 7325 M Liu (FL30). on *Citrus aurantiifolia* (Christm.) Swingle, lime. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67414.
- 7326 M Liu (FL31). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67415.
- 7327 M Liu (FL32). on *Citrus*, orange. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67416.
- 7328 M Liu (FL33). 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67418.
- 7329 M Liu (FL34). on *Litchi chinensis* Sonn., lychee. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67419.
- 7337 M Liu (FL42). 20 Aug 2003. USA: Bowling Green, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67433.
- 7338 M Liu (FL43). Rec'd 18 Dec 2003.
- 7656 P Chaverri (PC 614). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7699 P Chaverri ← HC Evans and GJ Samuels (Afr 85). Rec'd 14 Sep 2004. Cameroon: Korup National Park, Sud-Ouest.
- 7751 P Chaverri. Rec'd 14 Sep 2004.
- 8200 P Chaverri (PC 436-2). 13 Dec 2003. Mexico: Project Cielo, Tierra y Selva, trail to the mountain, Pueblo Ejido Lopez Mateo, Veracruz.
- 10276 DEN Rangel. Larva, [Hemiptera: Coccidae] on leaves of guava tree. 22 Jun 2011. Brazil: Universidade do Vale do Paraíba, Campus Urbanova, São José dos Campos, São Paulo.
- Aschersonia aleyrodis*** Webber
[Sordariomycetes: Hypocreales]
Clavicipitaceae
- 341 I Majchrowicz. Larva, *Dialeurodes ?citri* [Hemiptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.
- 342 I Majchrowicz. Larva, *Dialeurodes ?citri* [Hemiptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.
- 430 RS Soper. [Hemiptera: Aleyrodidae] on citrus leaves. 9 Jan 1980. USA: Lake Alfred, Florida.
- 432 RS Soper. [Hemiptera: Aleyrodidae] on citrus leaves. 9 Jan 1980. USA: Zephyr Hills, Lake Alfred, Florida.
- 992 J Aoki (Ash. 1) ← K Oshima ← N Oho. *Dialeurodes citri* [Hemiptera: Aleyrodidae]. Rec'd 7 Nov 1983. Japan: Saga Prefecture.
- 2154 MC Rombach (220386-1). *Aglaia odoratissima* [Hemiptera: Aleyrodidae]. 22 Mar 1986. Indonesia: Bogor Botanical Gardens, Bogor, Jawa Barat, Java.
- 2268 JJ Fransen ← RA Samson. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Rec'd 14 Oct 1986. Netherlands: Baarn, Utrecht.
- 4103 Acc'd 21 Apr 1994.
- 4104 Rec'd 23 Jan 1994.
- 4209 LA Lacey (94-41). [Hemiptera: Aleyrodidae]. 28 Mar 1994. Malaysia: Kuala Lumpur.
- 7339 M Liu (FL44). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7340 M Liu (FL45). 22 Aug 2003. USA: Residence of Majorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7343 M Liu (FL48). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7344 M Liu (FL49). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7393 M Liu (ml175-2). 16 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4421.
- 7394 M Liu (ml175-3). 18 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4421.
- 7617 P Chaverri (PC 321). 20 Aug 2003. Costa Rica: OTS La Selva Biological Station, Sarapiquí, Heredia.
- 7641 P Chaverri ← JF Bischoff (JB 133). 14 Jul 2002. Panama: Smithsonian Tropical Research Institute, behind field station, Fortuna, Chiriquí.

- 7642 P Chaverri ← MC Aime (MCA 2465). 8 Jan 2004. Guyana: Kamarang, Cuyuni-Mazaruni. N 5° 16', W 59° 54', 650 m elevation.
- 7659 [IMI 362284] P Chaverri ← HC Evans (I93-815). 1993. Guyana.
- 7666 [IMI 362300] P Chaverri ← HC Evans (I94-908). 1994. Venezuela.
- 7677 [IMI 362294] P Chaverri ← HC Evans (I93-807). 1993. Guyana.
- 7706 P Chaverri (PC 434). 13 Dec 2003. Mexico: Project Cielo, Tierra y Selva, Pueblo Ejido Lopez Mateo, Veracruz.
- 7707 P Chaverri (PC 445). 13 Dec 2003. Mexico: Pueblo Ejido Lopez Mateo, Veracruz.
- 8996 M Reis Pena (Isolate 1 (UFAM)). Rec'd 3 Jun 2009. Brazil. **RESTRICTED ACCESS:** *consult Curator.*
- 8997 M Reis Pena (Isolate 2 (ESALQ)). Rec'd 3 Jun 2009. Brazil. **RESTRICTED ACCESS:** *consult Curator.*
- 9535 [SRCAMB B-413] V Likhovidov ← BA Borisov. Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae]. Aug 2003. Republic of Georgia: Autonomous Republic of Abkhazi. Field Collection Number F-931.

Aschersonia andropogonis P Hennings
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 7341 M Liu (FL46). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67436.
- 7342 M Liu (FL47). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67436.
- 7391 M Liu (ml165). [Hemiptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico.
- 7398 M Liu (ml201-2c). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico.
- 7608 Rec'd 4 Feb 2005.
- 7638 P Chaverri ← HC Evans and GJ Samuels (Afr 70). Rec'd 14 Sep 2004. Ghana.
- 7639 P Chaverri ← HC Evans and GJ Samuels (Afr 116). Oct 2003. Cameroon: Korup National Park, Sud-Ouest. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67563.
- 7660 P Chaverri ← HC Evans (I93-901a). 1993. Ivory Coast.
- 7662 P Chaverri ← HC Evans (I93-901c). 1993. Ivory Coast.
- 7672 [IMI 317421] P Chaverri ← HC Evans. Rec'd Mar 2005. Jamaica.

- 7685 M Liu (CR 22). 20 Jun 2002. Costa Rica: OTS La Selva Biological Station, Plantation beside entrance, Sarapiquí, Heredia. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 067345.
- 7698 P Chaverri ← GJ Samuels (Afr 64). Rec'd 14 Sep 2004. Ghana.
- 7754 Acc'd 12 Dec 2005.
- 7755 Acc'd 12 Dec 2005.

Aschersonia basicystis Berkeley & Curtis
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 7611 Acc'd 26 Sep 2005.
- 7749 P Chaverri ← JF Bischoff (JB 130). 14 Jul 2002. Panama: Fortuna, Chiriqui.
- 7750 P Chaverri ← JF Bischoff (JB 205). 13 Aug 2003.

Aschersonia cubensis Berkeley & Curtis
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 7307 M Liu (FL12). 12 Aug 2003. USA: Silver Strand Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67395.
- 7308 M Liu (FL13). 12 Aug 2003. USA: Silver Strand Grove, Immokalee, Florida. Specimen accessioned in the Cornell plant Pathology Herbarium as CUP 67396.
- 7309 M Liu (FL14). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67397.
- 7312 M Liu (FL17). on *Citrus x paradisi* Macfad., grapefruit. 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67400.
- 7334 M Liu (FL39). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67431.
- 7647 P Chaverri (PC 545). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7648 P Chaverri (PC 552). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7671 P Chaverri ← HC Evans (I95-958). 1995. Ecuador.
- 7676 [IMI 362282] P Chaverri ← HC Evans (I93-813). 1993. Guyana.
- 7700 P Chaverri (PC 378). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.
- 7702 P Chaverri (PC 386). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.

- 7703 P Chaverri (PC 389). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to Las Pailas, Guanacaste Conservation Area, Guanacaste.
- 7704 P Chaverri (PC 375). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.
- Aschersonia goldiana*** Saccardo & Ellis
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 343 I Majchrowicz. Larva, *Dialeurodes ?citri* [Hemiptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.
- Aschersonia incrassata*** Mains
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 7670 P Chaverri ← HC Evans (I95-954). 1995. Bolivia.
- Aschersonia insperata*** Rombach, M Liu, Humber & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Cultures produce both the *Aschersonia* state and a synanamorph, *Hirsutella inasperata* (q.v.).
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- 2356 [ARSEF 2391 (never frozen)] MC Rombach (201286-8). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2396 MC Rombach (301286-9). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 30 Dec 1986. Philippines: tropical forest, Mt. Makiling, Los Baños, Manila.
- 6912 M Liu. 20 Aug 2001.
- Aschersonia napoleonae*** Har. & Patouillard
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 7697 P Chaverri ← GJ Samuels (Afr 55). Rec'd 14 Sep 2004. Ghana.
- Aschersonia placenta*** Berkeley
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 7603 [CBS 349.84] M Liu. *Dialeurodes citri* [Hemiptera: Aleyrodidae]. Rec'd 2 Mar 2005. Japan: Saga Prefecture.
- 7604 [BCC 2230] [Hemiptera: Coccoidea]. Rec'd 20 Sep 2004.
- 7607 9 Aug 2004. PR China: Dinghushan, Guangdong Province. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002607.
- 7609 10 Aug 2004. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002621.
- 7616 P Chaverri ← HC Evans and GJ Samuels (Afr 114). Oct 2003. Cameroon: Korup National Park, Sud-Ouest.
- 7637 P Chaverri ← HC Evans and GJ Samuels (Afr 28). 23 Oct 2003. Ghana: Kakum National Park, Jukua District, Central Region. Wet semi-deciduous forest, N 05° 21', W 01° 23', 280 m elevation.
- 7661 P Chaverri ← HC Evans (I93-901b). 1993. Ivory Coast.
- 7686 M Liu (CHN 3). 10 Aug 2004. PR China: Dinghushan, Guangdong Province. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002620.
- Aschersonia rhombispora*** M Liu & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae
-
- 7390 M Liu (ml164). [Hemiptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4406. CULTURE EX TYPE.
- 7395 M Liu (ml201-1-2). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.
- 7399 M Liu (ml201-3). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.
- 7400 M Liu (ml201-5a). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.
- Aschersonia turbinata*** (Berkeley) Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 1030 [GCRI 67-82] RA Hall. [Hemiptera]. 1982. Colombia.
- 7080 KT Hodge (PR33). on frond of *Prestoea montana* 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.
- 7296 M Liu (FL01). on *Citrus x paradisi* Macfad., grapefruit. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67377.
- 7297 M Liu (FL02). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67378.
- 7298 M Liu (FL03). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida.

- 7299 M Liu (FL04). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67381.
- 7300 M Liu (FL05). on *Citrus*, orange. 11 Aug 2003. USA: Budwood Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67382.
- 7301 M Liu (FL06). on *Citrus*, orange. Rec'd 18 Dec 2003. USA: Budwood Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67385.
- 7302 M Liu (FL07). on *Citrus x paradisi* Macfad., grapefruit. 12 Aug 2003. USA: Immokalee Pioneer Museum at Roberts Ranch, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67388.
- 7303 M Liu (FL08). on *Citrus x paradisi* Macfad., grapefruit. 12 Aug 2003. USA: Immokalee Pioneer Museum at Roberts Ranch, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67389.
- 7304 M Liu (FL09). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67391.
- 7305 M Liu (FL10). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67392.
- 7306 M Liu (FL11). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67394.
- 7315 M Liu (FL20). on *Citrus x paradisi* Macfad., grapefruit. Aug 2003. USA: Fort Myers, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67405.
- 7316 M Liu (FL21). Aug 2003. USA: Route I-75, Lee County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67406.
- 7331 M Liu (FL36). on *Citrus x paradisi* Macfad., grapefruit. 19 Aug 2003. USA: Griffin 3, Block 19 Grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67423.
- 7332 M Liu (FL37). 19 Aug 2003. USA: Griffin 3, Block 19 Grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67424.
- 7333 M Liu (FL38). 20 Aug 2003. USA: Mountain Lake Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67429.
- 7335 M Liu (FL40). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67432.
- 7336 M Liu (FL41). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67432.
- 7675 [IMI 352838] P Chaverri ← HC Evans (I91-598). 1991. Mexico.
- 11868 L Guizar-Guzman and SR Sánchez Peña (T-1). *Aonidiella aurantii* [Hemiptera: Diaspididae] on *Citrus sinensis* (L.) Osbeck, sweet orange tree. 10 Oct 2012. Mexico: Ixtacuaco, Tlapacoyan, Veracruz. N 20.041982, W 97.096353.
- 11869 L Guizar-Guzman and SR Sánchez Peña (T-2). *Aonidiella aurantii* [Hemiptera: Diaspididae] on *Citrus sinensis* (L.) Osbeck, sweet orange tree. 10 Oct 2012. Mexico: Ixtacuaco, Tlapacoyan, Veracruz. N 20.041982, W 97.096353.
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- Aschersonia viridans*** (Berkeley & MA Curtis) Patouillard
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 7650 P Chaverri (PC 575). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7652 P Chaverri (PC 585). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7653 P Chaverri (PC 589). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7674 [IMI 346739] P Chaverri ← HC Evans (I89-490). 1989. Mexico.
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- Ascopolyporus philodendrus*** Bischoff
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 7354 JF Bischoff. [Hemiptera: Coccoidea] on *Philodendron* sp., Araceae. Rec'd 12 Mar 2004. Panama: Barro Colorado Island. CULTURE EX TYPE.
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- Ascopolyporus villosus*** Möller
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 7355 JF Bischoff. [Hemiptera: Coccoidea] on *Chusquea* sp., Poaceae. Rec'd 12 Mar 2004. Panama: Barro Colorado Island.
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- Ascosphaera* sp.**
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 7368 DL Anderson and M Bell. [Hymenoptera: Superfamily Apoidea] from subterranean cells. Rec'd 10 Feb 2004. Australia: Blue Mountains, 673 m. elevation, Hazelbrook, New South Wales.
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- Ascosphaera aggregata*** Skou
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 689 JD Vandenberg (2). *Megachile rotundata* [Hymenoptera: Megachilidae]. Sep 1981. USA: Lovelock,

- Nevada.
690 JD Vandenberg (3). *Megachile rotundata* [Hymenoptera: Megachilidae]. Sep 1981. USA: Ontario, Oregon.
- Ascosphaera apis*** (Maassen ex Claussen) Olive & Spiltoir
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 691 JD Vandenberg (4). *Apis mellifera* [Hymenoptera: Apidae]. Jun 1979. USA: Corvallis, Oregon.
692 JD Vandenberg (5). *Apis mellifera* [Hymenoptera: Apidae]. Jul 1981. USA: Corvallis, Oregon.
2683 SR Sánchez Peña. *Apis mellifera* [Hymenoptera: Apidae]. 6 Aug 1989. USA: Lubbock, Texas.
5142 [CBS ; CSIRO 101] DL Anderson (101). Larva, *Apis mellifera* [Hymenoptera: Apidae]. Jan 1993. Australia: Cunningham via Warwick, Queensland.
6362 B Black (FD 667). *Apis mellifera* [Hymenoptera: Apidae]. Apr 1999. USA: La Belle, Florida.
7405 [ATCC MYA-4450] KD Murray (A10). *Apis mellifera* [Hymenoptera: Apidae]. 26 Jun 2003. USA: Weslaco, Texas. Mating type + (female) determined by Rosalind James, Oct 2005.
7406 [ATCC MYA-4451] KD Murray (0.5-1A). *Apis mellifera* [Hymenoptera: Apidae]. 26 Jun 2003. USA: Weslaco, Texas. Mating type - (male) determined by Rosalind James, Oct 2005.
- Ascosphaera arienoides*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 5143 [CSIRO 140] DL Anderson (140). *Megachile* sp. [Hymenoptera: Megachilidae] Nesting cell. Oct 1994. Australia: Aratula, Queensland. Culture ex type.
- Ascosphaera atra*** Skou & Hackett
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
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- 693 JD Vandenberg (6). *Megachile rotundata* [Hymenoptera: Megachilidae]. Jun 1979. USA: Ontario, Oregon.
5147 [CSIRO 198] DL Anderson (198). *Apis mellifera* [Hymenoptera: Apidae] Honey. Nov 1994. Australia: Waroona, Western Australia.
- Ascosphaera duoformis*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 5140 [CSIRO 200] DL Anderson (200). Rec'd 5 Apr 1996.
5141 [CBS ; CSIRO 199] DL Anderson (199). *Apis mellifera* [Hymenoptera: Apidae] Honey. Jul 1993. Australia: Glen Innes, New South Wales. EX HOLOTYPE CULTURE.
- 5151 [CSIRO 199.D9] DL Anderson (199.D9). Rec'd 5 Apr 1996. Monokaryon of ARSEF 5141.
5152 [CSIRO 199.D14] DL Anderson (199.D14). Rec'd 5 Apr 1996. Monokaryon of ARSEF 5141.
- Ascosphaera flava*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 5144 [CSIRO 196] DL Anderson (196). *Megachile* sp. [Hymenoptera: Megachilidae] Nesting cell. Jun 1995. Australia: Scarborough, Western Australia. Culture ex type.
- Ascosphaera larvis*** Bissett
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
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- 7945 [ATCC 62708; CCFC 186444 (A+XB-)] RR James (-). *Megachile rotundata* [Hymenoptera: Megachilidae]. Rec'd 10 Jan 2006. Canada: Saskatchewan. Reisolation of male strain from ATCC 62708.
7946 [ATCC 62708; CCFC 186444(A+XB-)] RR James (+). *Megachile rotundata* [Hymenoptera: Megachilidae]. Rec'd 10 Jan 2006. Canada: Saskatchewan.
- Ascosphaera major*** (Proekschl & Zobl) Skou
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
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- 694 JD Vandenberg (7) ← M Christensen ← JP Skou. [Hymenoptera]. 1970. Denmark.
- Ascosphaera proliperda*** Skou
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 695 JD Vandenberg (8) ← M Christensen ← JP Skou. *Megachile centuncularis* [Hymenoptera: Megachilidae]. 1970. Denmark.
696 JD Vandenberg (9) ← M Christensen ← JP Skou. *Megachile rotundata* [Hymenoptera: Megachilidae]. Jul 1981. Laboratory manipulation.
6363 B Black (FD 669). *Megachile rotundata* [Hymenoptera: Megachilidae]. 1998. USA: Nyssa, Oregon.
- Ascosphaera solina*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 5146 [CSIRO 130] DL Anderson (130). [Hymenoptera: Colletidae]. Oct 1994. Australia: Aratula, Queensland. Culture ex type.
- Ascosphaera subcuticulata*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 5145 [CSIRO 121] DL Anderson (121). Moribund larva, *Chalicodoma* sp. [Hymenoptera: Megachilidae]. Oct 1995. Australia: Lawn Hill National Park, Queensland. Culture ex type.

Aspergillus sp.

[Eurotiomycetes: Eurotiales]

Trichocomaceae

- 1152 TJ Poprawski (83-15). Adult, *Melanoplus* sp. [Orthoptera: Acrididae]. 29 Sep 1983. Spain: Córdoba.
- 2765 GW Riethmacher (A3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 13 Apr 1989. Philippines: La Trinidad, Benguet.
- 2817 GW Riethmacher (E1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 Apr 1989. Philippines: La Trinidad, Benguet.
- 2820 GW Riethmacher (E7). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 May 1989. Philippines: La Trinidad, Benguet.
- 3048 MS Goettel (5B). Vegetation. Jul 1990. Mali: Mordiah. Eurotium state may also be present.
- 3176 GW Riethmacher (B22). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 22 Dec 1989. Philippines: Cavinti, Laguna.
- 3195 GW Riethmacher (B47b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Jun 1990. Philippines: Villiasis, Pangasinan.
- 3698 LA Lacey (Ma16). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 8 Apr 1992. India: Padappai.
- 4367 LA Lacey (94117). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 5205 C López Lastra (408). Larva, *Rachiplusia nu* [Lepidoptera: Noctuidae] Soybean crop. 1 Mar 1994. Argentina: Los Hornos, La Plata, Buenos Aires.
- 6364 B Black (FD 687). *Megachile rotundata* [Hymenoptera: Megachilidae]. 1998. USA: Nyssa, Oregon.
- 6369 Adult, female, *Aeneolamia varia* [Hemiptera: Cercopidae]. 2 Jul 1997. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.
- 6399 B Tunali (20). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Kinkkale, Ankara.
- 6405 B Tunali (29). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.
- 6406 B Tunali (31). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.
- 6408 B Tunali (33). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.
- 6419 A Niassy (K ONI). Rec'd 7 Dec 1999.
- 6422 A Niassy (B OSE). Rec'd 7 Dec 1999.
- 6423 A Niassy (B OSE). Rec'd 7 Dec 1999.
- 6571 LS Bauer. Egg mass, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 23 May 2000. USA: from laboratory colony, USDA Forest Service, NCRS, East Lansing, Michigan.
- 6573 Z G/Tsadik (CHA). Rec'd 11 Aug 2000. Ethiopia.
- 6574 Z G/Tsadik (Chinaksen). Rec'd 11 Aug 2000. Ethiopia.
- 6575 Z G/Tsadik (HP). Rec'd 11 Aug 2000. Ethiopia.

- 6604 M Benjamin (28A). Engorged larva, *Ixodes scapularis* [Acari: Ixodidae]. 26 Aug 2000. USA: New York.
- 6898 E Zhioua (Tick #4). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.
- 7048 TM O'Neil and DW Spurgeon. *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 12 Aug 2002. USA: Southern Plains Agricultural Research Center, College Station, Texas.
- 8280 BN Tiwary (IF-7). *Nezara viridula* [Hemiptera: Pentatomidae]. 4 Nov 2005. India: Purnea, Bihar.
- 8284 BN Tiwary (IF-13). *Supella longipalpa* [Blattodea: Blattellidae]. 22 Jun 2006. India: Patna, Bihar.
- 8292 BN Tiwary (SCF-9). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.
- 8519 BN Tiwary (SFN-1). Nymph, *Sogatella furcifera* [Hemiptera: Delphacidae]. 27 Dec 2006. India: Patna University, Patna, Bihar.
- 8633 CA Fuller. [Isoptera: Termitidae]. Acc'd 29 Oct 2007.
- 12050 [ERL 2136] S Gouli (A-12/35) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: McCartney Road, Arizona.
- 12051 [ERL 2137] S Gouli (A-12/36) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Columbus, New Mexico.

Aspergillus clavatus Desmazières

[Eurotiomycetes: Eurotiales]

Trichocomaceae

- 4359 DW Roberts. *Myzus persicae* [Hemiptera: Aphididae]. Feb 1994. Brazil: Castro, Paraná.
- 9375 JG Banu (1). *Phenacoccus solenopsis* [Hemiptera: Pseudococcidae]. Aug 2008. India: Allappalayam, Coimbatore, Tamil Nadu.
- 9379 JG Banu (5). Isolated from soil sample. Dec 2008. India: Vadapudur, Coimbatore, Tamil Nadu.

Aspergillus flavus Link:Fries

[Eurotiomycetes: Eurotiales]

Trichocomaceae

- 1003 J Aoki (Asp. 11). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.
- 1010 J Aoki (Asp. 26). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.
- 2157 BN Muthappa (PNG 12713). *Anoploleptis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2158 BN Muthappa (PNG 12714). *Anoploleptis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2159 BN Muthappa (PNG 12715). *Anoploleptis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

- 2818 GW Riethmacher (E4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 7 Apr 1989. Philippines: La Trinidad, Benguet.
- 3144 MS Goettel. *Neobullieria citellivora* [Diptera: Sarcophagidae]. 2 Nov 1990. Canada: Picture Butte, Alberta.
- 3430 K Ostrovska (52). [Diptera: Bombyliidae]. 29 Sep 1991. Costa Rica: La Selva.
- 4126 [DAT 3; IMI 298915] AC Rath (F003). *Phthorimaea operculella* [Lepidoptera: Gelechiidae]. 1983. Australia: U. New England, Armidale, New South Wales.
- 6454 Z G/Tsadik (5/03-BB). *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. 3 Oct 1999. Ethiopia: Northern Shoa.
- 6469 LS Bauer (2UIC1817). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 19 Feb 2000. USA: East Lansing, Michigan.
- 8289 BN Tiwary (SCF-4). Isolated from soil sample. 20 Jan 2006. India: Patna, Bihar.
- 9376 JG Banu (2). *Phenacoccus solenopsis* [Hemiptera: Pseudococcidae]. Aug 2008. India: Allappalayam, Coimbatore, Tamil Nadu.
- 9378 JG Banu (4). Isolated from soil sample. Dec 2008. India: Vadapudur, Coimbatore, Tamil Nadu.
- 9381 DI Shapiro Ilan. *Tenebrio molitor* [Coleoptera: Tenebrionidae] for rearing of entomopathogenic nematodes. Rec'd 6 Jan 2010.

***Aspergillus flavus*(?)** Link : Fries
[Eurotiomycetes: Eurotiales]
Trichocomaceae

- 5503 I Klingen (MFF 8.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Sep 1996. Norway: Lebesby, Finnmark.
- 5504 I Klingen (MFF 9.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Sep 1996. Norway: Lebesby, Finnmark.
- 5505 I Klingen (PVF 8). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5506 I Klingen (TØF 10.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5507 I Klingen (TØF 12.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5508 I Klingen (TØF 21.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5509 I Klingen (TØF 24.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

***Aspergillus nidulans*(?)** (Eidam) Winter
[Eurotiomycetes: Eurotiales]
Trichocomaceae

- 6515 RT Mayer. Larva, *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 10 May 2000. USA: Florida.

Aspergillus niger van Tieghem
[Eurotiomycetes: Eurotiales]
Trichocomaceae

- 3143 MS Goettel (3B). [Orthoptera]. 17 Jul 1990. Mali: Mordiah.
- 5721 L Erkiliç (Belen-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Mar 1998. Turkey: Belen, Gaziantep.
- 6365 B Black (FD 695). *Osmia lignaria* [Hymenoptera: Megachilidae]. 1999. USA: Logan, Utah.
- 6407 B Tunali (32). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Kollubaba.
- 7797 CA Fuller (#1 Cruz7UP cut) and L Upham. Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Cruz Bay, Saint John, Virgin Islands.
- 7798 L Erickson and CA Fuller (#1 CB4BP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Cinnamon Bay Campground, Saint John, Virgin Islands.
- 7799 CA Fuller (#1b HH39P cut) and L Upham. Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.

***Aspergillus niger*(?)** van Tieghem
[Eurotiomycetes: Eurotiales]
Trichocomaceae

- 7975 BC King (56). *Drosophila* sp. [Diptera: Drosophilidae] from Tanglefoot trap. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AY373850 (100%) ITS.
RESTRICTED ACCESS: consult Curator.

Aspergillus ochraceus Wilhelm
[Eurotiomycetes: Eurotiales]
Trichocomaceae

- 2833 AE Hajek ← K Tatman (MD19#14). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland.
- 3325 C Castillo. *Ixodes scapularis* [Acari: Ixodidae]. Rec'd 8 May 1991. Location not specified.
- 5722 L Erkiliç (Karadag-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Mar 1998. Turkey: Karadag, Gaziantep, Gaziantep.

Aspergillus ochraceus(?)

Basidiobolus sp.

Fungal Cultures

Aspergillus ochraceus(?) Wilhelm

[Eurotiomycetes: Eurotiales]

Trichocomaceae

7027 RM Pereira (DPI fungus). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. Nov 2001. USA: Department of Plant Industry, Gainesville, Florida.

Aspergillus parasiticus Speare

[Eurotiomycetes: Eurotiales]

Trichocomaceae

2173 MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwurung (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.

4128 [DAT 5; IMI 1298918] AC Rath (F005) ← RJ Milner. Phylum Arthropoda, Class Insecta. 1985. Australia: Canberra, Australian Capital Territory. ID not confirmable.

4129 [DAT 6; IMI 1298916] AC Rath (F006). Phylum Arthropoda, Class Insecta. 1985. Australia: U. New England, Armidale, New South Wales. ID not confirmable.

5470 TJ Poprawski (TJP935). Larva, *Eoreuma loftini* [Lepidoptera: Pyralidae]. Rec'd 9 May 1997. USA: sugarcane field, Weslaco, Texas.

Aspergillus sydowii Thom & Church

[Eurotiomycetes: Eurotiales]

Trichocomaceae

8379 CD Harvell (FK11) or (AS16). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Rec'd 22 Feb 2007. USA: Key West, Florida.

8380 CD Harvell (SS7) or (AS17). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Jul 1995. The Bahamas: San Salvador.

8381 CD Harvell (SA25) or (AS18). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Jul 1995. Netherlands: Saba, Netherlands Antilles.

8382 CD Harvell (15B1) or (AS29). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Mar 2005. USA: Tennessee Reef, Florida.

Aspergillus tamarii Kita

[Eurotiomycetes: Eurotiales]

Trichocomaceae

4127 [DAT 4; IMI 1298917] AC Rath (F004). *Phthorimaea operculella* [Lepidoptera: Gelechiidae]. 1984. Australia: U. New England, Armidale, New South Wales. ID not confirmed.

Aspergillus tamarii(?) Kita

[Eurotiomycetes: Eurotiales]

Trichocomaceae

6418 A Niassy (K HDA). Rec'd 7 Dec 1999.

6420 A Niassy (M2VA). Rec'd 7 Dec 1999.

Atricordyceps harposporifera Samuels

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Anamorph: *Harposporium anguilulae* Lohde.

5472 GJ Samuels (81-358). Phylum Arthropoda. 12 Aug 1981. New Zealand: Waitakere Ranges, Waitemata City, Fairy Falls Track, off Mountain Road, Auckland, North Island. Culture ex holotype (PDD 42208) .

Balansia sp.

[Sordariomycetes: Hypocreales]

Clavicipitaceae

7089 KT Hodge (PR73). 9 Jul 2002. USA: Adjuntas, Puerto Rico.

Barbatospora ambicaudata MM White, Siri & Lichtwardt

[Kickxellomycotina: Harpellales]

Legeriomycetaceae

9020 RW Lichtwardt (TN-49-W4A). *Simulium vandalicum* [Diptera: Simuliidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

Basidiobolus sp.

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae

270 RK Benjamin ← CW Emmons (2501). *Bufo marinus* (toad) dung. Rec'd Nov 1978. USA: NIH lab, Bethesda, Maryland.

271 RK Benjamin ← CW Emmons (2502) ← Lie-Kian-Joe. Frog dung. Rec'd Nov 1978. Indonesia.

273 RK Benjamin ← CW Emmons (2507) ← Deshpande. *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Location not specified.

2048 D TeStrake (TL-10). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2049 D TeStrake (TL-12). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2050 D TeStrake (TL-13). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2051 D TeStrake (TT-5). Toad dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2052 D TeStrake (TT-9). Toad dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

3764 R Nelson. Soil. 1990. Barbados.

5336 RA Humber. Lizard dung. Rec'd Aug 1996. USA: Sonoran desert, Tuscon, Arizona.

9887 DA Henk (dah11DG1). *Dyscophus guineti* [Anura: Microhylidae] from dung of captive frog. Jul 2009. Switzerland.

9888 DA Henk (dah6DL1). *Dendrobates leucomelas* [Anura: Dendrobatidae] from dung of captive frog. Jul 2009. Switzerland.

- 9889 DA Henk (dah8TM1). *Triturus marmoratus* [Caudata: Salamandridae] from dung of captive salamander. Jul 2009. Switzerland.
- 9890 DA Henk (dahBR17). *Hylarana erythraea* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9891 DA Henk (dahBR2). *Hylarana labialis* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9892 DA Henk (dahBR4). *Hylarana glandulosa* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9893 DA Henk (dahBR5). *Hylarana labialis* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9894 DA Henk (dahCH1). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9895 DA Henk (dahCH10). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9896 DA Henk (dahCH4). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9897 DA Henk (dahOWT1). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.
- 9898 DA Henk (dahOWT2). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.
- 9899 DA Henk (dahOWT3). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.
- 9900 DA Henk (dahSAR2A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.
- 9901 DA Henk (dahSAR3A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.
- 9902 DA Henk (dahSAR4A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.
- 9903 DA Henk (dahT14). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9904 DA Henk (dahT53). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9905 DA Henk (dahT90). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9906 DA Henk (dahTF3). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9907 DA Henk (dahTF6). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9908 DA Henk (dahTF8). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9909 DA Henk (dahTPOO1). Tadpole, *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9910 DA Henk (dahU22). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9911 DA Henk (dahU71). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9912 DA Henk (dahU84). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 11766 AP Gryganskyi (36). Rec'd 29 May 2012.
- 11767 AP Gryganskyi (37). Rec'd 29 May 2012.
- 11768 AP Gryganskyi (38). Rec'd 29 May 2012.
- 11769 AP Gryganskyi (61). Rec'd 29 May 2012.
- 11770 AP Gryganskyi (62). Rec'd 29 May 2012.
- 11771 AP Gryganskyi (64). Rec'd 29 May 2012.
- 11772 AP Gryganskyi (122). Rec'd 29 May 2012.
- 11773 AP Gryganskyi (123). Rec'd 29 May 2012.
- 11774 AP Gryganskyi (134). Rec'd 29 May 2012.
- 11775 AP Gryganskyi (136). Rec'd 29 May 2012.
- 11776 AP Gryganskyi (137). Rec'd 29 May 2012.
- 11777 AP Gryganskyi (138). Rec'd 29 May 2012.
- 11778 AP Gryganskyi (139). Rec'd 29 May 2012.
- 11779 AP Gryganskyi (140). Rec'd 29 May 2012.
- 11780 AP Gryganskyi (142). Rec'd 29 May 2012.
- 11781 AP Gryganskyi (143). Rec'd 29 May 2012.
- 11782 AP Gryganskyi (144). Rec'd 29 May 2012.
- 11783 AP Gryganskyi (146). Rec'd 29 May 2012.

Basidiobolus haptosporus Drechsler

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae. Synonym: *Basidiobolus meristosporus* Drechsler. *B. haptosporus* is a probable synonym of *B. ranarum*.

Caution: This species can cause human mycoses; most strains can be demonstrated to survive temperatures $\geq 37^\circ\text{C}$. Exercise caution to avoid inhalation of conidia or contact with cuts or abrasions.

- 261 [NRRL 1232; RSA 228] RK Benjamin ← CW Emmons. 4-year-old male, *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Indonesia.
- 262 [RSA 964] RK Benjamin. Oak leaf mold. 10 May 1960. USA: Rancho Santa Ana Botanical Garden, Claremont, California.
- 263 [RSA 1269] RK Benjamin. Lizard dung. 4 Apr 1963. Mexico: La Suerte, Baja California.
- 264 [RSA 2252] RK Benjamin. Soil under Fremontodendron. Sep 1976. USA: Rancho Santa Ana Botanical Garden, Claremont, California.
- 272 RK Benjamin ← CW Emmons (2505) ← Lie-Kian-Joe. *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Indonesia. Human mycosis.

1347 S Balazy (1580b). [Diptera: Brachycera] attached to decayed wood in a brook. 11 Aug 1983. Poland: Wielkopolski National Park.

8307 B Huang (L051203L2). 3 Dec 2005. USA: Cornell Plantations, Ithaca, New York.

8309 B Huang (L060407A2). 7 Apr 2006. USA: Bebee Lake, Ithaca, New York.

Basidiobolus haptosporus var. *minor* Srinivasan

& Thirumalachar

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae

8331 [ATCC 16579; CBS 310.66; IMI 118287] MJ Thirumalachar. Rec'd 22 Nov 2007.

Basidiobolus heterosporus Srinivasan & Thirumalachar

& Thirumalachar

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae

8332 [ATCC 16580] Acc'd 23 Feb 2007.

Basidiobolus magnus Drechsler

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae

8330 [ATCC 15379; CBS 205.64; NRRL 3734] C Drechsler. Rec'd 22 Nov 2006.

Basidiobolus meristosporus Drechsler

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae

8329 [ATCC 14450; NRRL 3733] C Drechsler. Acc'd 21 Feb 2007.

Basidiobolus microsporus RK Benjamin

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae

265 [RSA 962] RK Benjamin. Lizard dung. 5 Apr 1960. USA: 5 mi NW of Agua Caliente Hot Springs, San Diego County, California.

267 [RSA 982] RK Benjamin. Duff under debris outside packrat nest. 23 May 1960. USA: 10 mi W of Barstow, Iron Mountain, California.

268 [RSA 1737] RK Benjamin. Lizard dung. 6 May 1962. USA: 10 mi S of Weldon, el. 3000 ft, Kern County, California.

269 [RSA 2088] RK Benjamin. Rodent dung. 29 Jul 1974. USA: nr. Cajon Pass, San Bernardino County, California.

Basidiobolus ranarum Eidam

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae. Possible synonyms: *Basidiobolus haptosporus* Drechsler, *Basidiobolus meristosporus* Drechsler.

Caution: Strains of this species may be able to grow at temperatures $\geq 37^{\circ}\text{C}$ and may be regarded as potential mycotic agents for humans and other mammals. These strains should be safe in research and/or teaching laboratories with routine microbiological precautions; avoid inhalation of conidia or contact with open cuts or abrasions.

260 [RSA 334] RK Benjamin. Toad dung. 27 Apr 1954. USA: Rancho Santa Ana Botanical Garden, Claremont, California.

1139 M Shimazu (F-57). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. Acc'd 3 Apr 1984. Japan: Saitama Prefecture.

2787 M Blackwell. Lizard dung. Acc'd 16 Aug 1989. USA: Baton Rouge, Louisiana.

5889 R Nelson (USF 50). Fecal pellet of frog *Eumeces inexpectatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5890 R Nelson (USF 56). Fecal pellet of frog *Cnemidophorus sexlineatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5891 R Nelson (USF 57). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5892 R Nelson (USF 70). Fecal pellet of frog *Scincella lateralis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5893 R Nelson (USF 71). Fecal pellet of frog *Scaphiopus holbrooki*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5894 R Nelson (USF 74). Fecal pellet of frog *Scincella lateralis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5895 R Nelson (USF 75). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5896 R Nelson (USF 76). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5897 R Nelson (USF 77). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5898 R Nelson (USF 78). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5899 R Nelson (USF 79). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5900 R Nelson (USF 80). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

- 5901 R Nelson (USF 84). Fecal pellet of frog *Eumeces inexpectatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5902 R Nelson (USF 85). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5903 R Nelson (USF 90). Isolated from soil sample. Aug 1993. USA: Tampa, Florida.
- 5904 R Nelson (USF SDI). Isolated from soil sample. Aug 1993. USA: University of South Florida Sundome, Tampa, Florida.
- 5905 R Nelson (USF SDII). Isolated from soil sample. Aug 1993. USA: University of South Florida Sundome, Tampa, Florida.
- 5906 R Nelson (USF 78MCZ-1). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5907 R Nelson (USF 78MCZ-2). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5908 R Nelson (USF 78MCZ-11). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5909 R Nelson (USF 78MCZ-15). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5910 R Nelson (USF 78MCZ-16). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5911 R Nelson (USF 78MCZ-18). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5912 R Nelson (USF 78MCZ-19). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5913 R Nelson (USF 78MCZ-20). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5914 R Nelson (USF SD1MCZ-1). Miconazole resistant single spore isolate from USF SD1 [=ARSEF 5904]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5915 R Nelson (USF 85Z1). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5916 R Nelson (USF 85Z2). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5917 R Nelson (USF 85Z3). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5918 R Nelson (USF 85Z4). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5919 R Nelson (USF 85Z5). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5920 R Nelson (USF 85Z6). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5921 R Nelson (USF 85Z11). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Sep 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5922 R Nelson (USF 85Z12). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5923 R Nelson (USF 85Z13). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5924 R Nelson (USF 85Z14). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5925 R Nelson (USF 85Z15). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5926 R Nelson (USF 85Z16). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5927 R Nelson (USF 85Z17). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5928 R Nelson (USF 85Z18). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5929 R Nelson (USF 85Z20). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

- 5930 R Nelson (USF 85Z21). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5931 R Nelson (USF 85Z22). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5932 R Nelson (USF 85Z23). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5933 R Nelson (USF 85Z1Z1). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5934 R Nelson (USF 85Z1Z2). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5935 R Nelson (USF 85Z1Z3). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5936 R Nelson (USF 85Z1Z4). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5937 R Nelson (USF 85Z1Z5). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5938 R Nelson (USF 85Z1Z7). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5939 R Nelson (USF 85Z1Z8). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5940 R Nelson (USF 85Z1Z9). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5941 R Nelson (USF 85Z1Z10). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5942 R Nelson (USF 85Z1Z11). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5943 R Nelson (USF 85Z1Z12). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5944 R Nelson (USF 85Z1Z13). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5945 R Nelson (USF 85Z1Z14). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5946 R Nelson (USF 85Z1Z15). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5947 R Nelson (USF 85Z1Z16). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5948 R Nelson (USF 85Z1Z17). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5949 R Nelson (USF 85Z1Z19). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5950 R Nelson (USF 85Z19). Single zygospor culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5951 R Nelson (USF 85Z1Z20). Single zygospor culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 6380 AA Callaghan (30) or (04 and 103). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 6382 AA Callaghan (31) or (01 and 072). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Pasture, Staffordshire, Keele, England.
- 8308 B Huang (L060401C1). 1 Apr 2006. USA: near Maplewood Park, Ithaca, New York.
- 8328 [ATCC 14449] C Drechsler. Isolated from decaying plant residues. Acc'd 21 Feb 2007.

***Batkoa* sp.**

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 3131 K Hural (GF-3). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 5810 RA Humber. [Coleoptera: Cantharidae]. 9 Aug 1998. Denmark.
- 6179 BJ Hicks (3). Larva, *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.

- 6210 Rec'd 2 Jul 1999.
7370 AE Hajek (04 NY 9-1-1). Larva, *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 29 May 2004. USA: Saint Lawrence County, New York.
12251 K Adesso. Adult, *Drosophila suzukii* [Diptera: Drosophilidae] on fruit of *Cornus kousa* Hance, kousa dogwood. 16 Aug 2013. USA: Tennessee State University, Otis L. Floyd Nursery Research Center, McMinnville, Tennessee.

Batkoa apiculata (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. The nuclei of this taxon stain well and have granular contents when mounted in aceto-orcein or other nuclear stains. This fungus has a morphologically similar ancylistaceous fungus, *Conidiobolus pseudapiculatus* (q.v.), whose nuclei do not stain well and do not have granular contents.

- 67 [IPLB 602] G Remaudière. *Myzus ascalonicus* [Hemiptera: Aphididae]. 13 May 1975. France.
129 N Wilding (10). *Myzus persicae* [Hemiptera: Aphididae] on potato. 11 Aug 1976. USA: Rogers Farm, Stillwater, Maine.
174 FR Holbrook. *Macrosiphum euphorbiae* [Hemiptera: Aphididae] on potato. 7 Jul 1977. USA: Rogers Farm, Stillwater, Maine.
395 S Keller (35). Larva, [Hymenoptera]. 10 Aug 1976. Switzerland.
839 CSIRO (EM629) ← G Lutton. *Acyrtosiphon kondoi* [Hemiptera: Aphididae] on lucerne "condura". 17 Jun 1981. Australia: nr. Cooma, Umerella Station, New South Wales.
919 [ARSEF 1661] S Keller (450). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.
927 [ARSEF 1660] S Keller (449). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.
1146 M Shimazu (F-382). *Brevicoryne brassicae* [Hemiptera: Aphididae]. Acc'd 4 Apr 1984. Japan: Shizuoka Prefecture.
1660 [ARSEF 927] S Keller (449). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.
1661 [ARSEF 919] S Keller (450). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.
2504 J Eilenberg (KVL 29). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Apr 1987. Denmark: Karlebo, Zealand.
3080 SP Wraight. *Rhopalosiphum padi* [Hemiptera: Aphididae]. 22 Jun 1990. USA: irrigated wheat field, Piedmont Organic Produce Farm, Wellington, Colorado.
3088 MG Feng (MTRM9001). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.
3091 MG Feng (MTRM9004). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 7 Aug 1990. USA: Bozeman, Montana.

- 3130 K Hural (GF-2). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
3136 K Hural (Hoff-1). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
3140 K Hural (Hoff-5). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
3225 P Folker-Hansen (F and 040590). *Bradysia paupera* [Diptera: Sciaridae]. 4 May 1990. Denmark.
3226 P Folker-Hansen (I and 080990). *Bradysia paupera* [Diptera: Sciaridae]. 8 Sep 1990. Denmark.
5552 KT Hodge. Adult, [Hemiptera: Cicadellidae]. 17 Sep 1997. McLean: Eames' Bog.
5994 C Nielsen (KVL 98-17). Alate, *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.

Batkoa gigantea (S Keller) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 214 S Keller (74). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd Spring 1978. Switzerland.
215 S Keller (75). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd Spring 1978. Switzerland.
403 [FPMI 768] S Keller (36). *Tipula paludosa* [Diptera: Tipulidae]. 8 Sep 1976. Switzerland.

Batkoa major (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 1427 RS Soper (84528-1). [Hemiptera: Aphididae]. 28 May 1984. Yugoslavia: plum orchard, Zemun, Belgrade.
2936 H Firstencel. *Empoasca fabae* [Hemiptera: Cicadellidae]. 5 Jan 1990. USA: laboratory colony, Ithaca, New York.
3102 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field # 6G, Catherine, New York.
3103 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 4 Sep 1990. USA: laboratory colony, Ithaca, New York.

Batkoa papillata(?) (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 7068 MM White (NF-7-W3a). [Diptera: Simuliidae]. Rec'd 16 Oct 2002. Canada: Newfoundland.

Batrachochytrium dendrobatidis Longcore, Pessier & Nichols
[Chytridiomycetes: Chytridiales]

- 7191 JE Longcore (L-197). 14 Sep 1997. USA: New York Zoological Park, Bronx, New York.

Beauveria sp.

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Almost all strains listed here closely resemble *B. bassiana* (or *B. brongniartii*) but were not so identified because of small (and possibly insignificant) differences in conidia size and/or shape.

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- 32 JE Henry. [Orthoptera: Acrididae]. 12 Jul 1973. USA: Montana.
- 547 VA Dyck. *Pachybrachis pallicornis* [Coleoptera: Chrysomelidae]. Acc'd 17 Sep 1986. Malaysia.
- 590 JM Lenné. *Mocis* sp. [Lepidoptera: Noctuidae]. Rec'd 13 Apr 1981. Colombia: Carimagua.
- 1040 J Aoki (Beau. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture. Identification verified genomically.
- 1195 TJ Poprawski (001). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.
- 1196 TJ Poprawski (002). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1197 TJ Poprawski (004). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1198 TJ Poprawski (005). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1199 TJ Poprawski (013). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1200 TJ Poprawski (014). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1201 TJ Poprawski (023). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1202 TJ Poprawski (024). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1203 TJ Poprawski (025). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1204 TJ Poprawski (026). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1205 TJ Poprawski (027). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1206 TJ Poprawski (028). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1207 TJ Poprawski (030). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1208 TJ Poprawski (034). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Piancastagnaio, Toscana.
- 1209 TJ Poprawski (035). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 May 1983. Italy: Acquapendente, Lazio.
- 1210 TJ Poprawski (037). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1211 TJ Poprawski (038). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1213 TJ Poprawski (046). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1214 TJ Poprawski (047). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1215 TJ Poprawski (049). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1216 TJ Poprawski (050). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1218 TJ Poprawski (051). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1219 TJ Poprawski (052). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1220 TJ Poprawski (057). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1221 TJ Poprawski (059). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1222 TJ Poprawski (060). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1224 TJ Poprawski (061). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1327 TJ Poprawski (082). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1983. France: Saint-Laurent, Vosges.
- 1681 M Shimazu (F-333). *Shirahoshizo insidiosus* [Coleoptera: Curculionidae]. 27 Jan 1982. Japan: Takao, Tokyo Prefecture.
- 1682 M Shimazu (F-357(11)). *Anomala cuprea* [Coleoptera: Scarabaeidae]. 20 Nov 1980. Japan: Nagano Prefecture.
- 1835 SB Alves (295). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 21 Jan 1985. Brazil.
- 1886 H David. *Chilo infuscatellus* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 1 Jun 1985. India: Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

- 2164 BN Muthappa (PNG 12723). [Hemiptera: Membracidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2412 K Narayanan (9). *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 6 May 1987. India.
- 2998 CBS (607.80) ← HC Evans. Larva, [Lepidoptera]. Rec'd 22 May 1990. Ecuador.
- 3289 J Gutierrez Samperio (5) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3510 I Quintela (VL1). Rec'd 13 Dec 1991. Location not specified.
- 3859 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.
- 3929 DR Sosa-Gómez (CNPSO-Bb48). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF: 944 & 933.
- 3936 DR Sosa-Gómez (CNPSO-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF 944& 933.
- 4027 T Steenberg (231) ← CW Riedel. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1990. Denmark: Slangerup, Zealand.
- 4197 LA Lacey (94015). [Orthoptera: Acrididae]. Rec'd 12 May 1994. Russian Federation.
- 4364 LA Lacey (94129). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4365 LA Lacey (94130). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4390 LA Lacey (94132). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4391 LA Lacey (94133). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4392 LA Lacey (94134). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4393 LA Lacey (94111). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4394 LA Lacey (94112). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4395 LA Lacey (94113). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4396 LA Lacey (94114). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4397 LA Lacey (94115). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4853 JM Sung (C-332). Adult, [Coleoptera: Coccinellidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.
- 4909 LA Lacey (95011). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4910 LA Lacey (95012). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4911 LA Lacey (95013). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4912 LA Lacey (95014). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4913 LA Lacey (95015). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4914 LA Lacey (95016). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4915 LA Lacey (95017). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4916 LA Lacey (95018). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4917 LA Lacey (95019). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4918 LA Lacey (95020). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4920 LA Lacey (95022). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5078 SR Booth (Quinby; BSP). Larva, *Galleria melonella* [Lepidoptera: Pyralidae]. 17 Jan 1994. USA: Cranberry bog, Grayland, Washington.
- 5174 S Gouli (GA-86). [Araneida: Araneae]. 24 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5186 S Gouli (GA-96). [Coleoptera: Lampyridae]. 2 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5187 S Gouli (GA-97). [Araneida: Araneae]. 1 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5686 BL Parker (SPT-101). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5697 JM Sung (KEFC-1105). [Coleoptera]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.
- 5831 BL Parker (SPT 003). [Coleoptera]. 17 Jan 1998. Turkey: Karabiyikli, Narli, Kahraman Maras.
- 5832 BL Parker (SPT 11(a)). [Lepidoptera]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.
- 5833 BL Parker (SPT 013/1). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.

- 6533 FE Vega (EBCL 99076). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6534 FE Vega (EBCL 99077). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6535 FE Vega (EBCL 99080). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6536 FE Vega (EBCL 99085). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6537 FE Vega (EBCL 99088). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Lagodekhi.
- 6691 [Araneida: Araneae]. Rec'd 17 Jan 2001. Ethiopia: Gusquam.
- 7079 KT Hodge (PR32). Edges of cocoon on underside of leaf, *Fabaceae*. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.
- 7463 [CEP 061] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 13 Jul 2004. Argentina: San Vicente, Buenos Aires.
- 7562 I Klingen (NCRI 225/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7563 I Klingen (NCRI 226/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7564 I Klingen (NCRI 228/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7565 I Klingen (NCRI 229/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7566 I Klingen (NCRI 235/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7567 I Klingen (NCRI 236/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7579 [SRCAMB B-3/3] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Sep 2001. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-289.
- 7580 [SRCAMB B-22] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Elateridae] Isolated from stroma of *Cordyceps* sp. 28 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-172.
- 7582 [SRCAMB B-28] V Likhovidov ← BA Borisov. [Araneida] Isolated from fungal stroma. 30 Aug 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-201.
- 7584 [SRCAMB B-37/1] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta Isolated from synnema. Sep 2001. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-171.
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Beauveria amorphia (von Hoehnel) Minnick, SA
 Rehner & Humber
 [Sordariomycetes: Hypocreales]
 Cordycipitaceae. Replaces *B. amorphia* (von Hoehnel)
 Samson & Evans.

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- 10947 DW Roberts (DWR 1074). Isolated from soil sample SS 7295. 25 Jul 2008. USA: Millard County, Utah. N 39.0925, W 112.1329.
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Beauveria amorpha(?) (van Hoehnel) Samson & HC Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 6827 TL Dubois (WU 20 (2)). *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.

Beauveria asiatica SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters

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Beauveria australis SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 4580 [DAT 460] AC Rath (F460). [Orthoptera: Acrididae]. Rec'd 1 Sep 1994. Australia: Tasmania. Identification verified genomically.
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Beauveria bassiana (Balsamo-Crivelli) Vuillemin
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Beauveria densa* (Link:Fries) Picard

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- 154 M Wojciechowska (51-75). *Pamphilius betulae* [Hymenoptera: Pamphiliidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.
- 155 M Wojciechowska (75-67). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.
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- 159 M Wojciechowska (70). Rec'd 18 Jul 1977. Czech Republic.
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- 220 Boverin formulation. Rec'd Jun 1978. Commonwealth of Independent States.
- 252 C Madore. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 14 Sep 1978. USA: greenhouse, Orono, Maine.

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- 277 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.
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- 284 DW Roberts (N-2) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.
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- 1162 TJ Poprawski (83-623). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Limay, Yvelines.
- 1163 TJ Poprawski (071A). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.
- 1164 TJ Poprawski (070). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.
- 1165 TJ Poprawski (83-621). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1166 TJ Poprawski (83-77). 3rd instar larva, *Helicoverpa armigera* [Lepidoptera: Noctuidae]. 2 Aug 1983. Spain: Córdoba.
- 1167 TJ Poprawski (83-701). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Nov 1983. France: Senneville.
- 1168 TJ Poprawski (83-702). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 10 Oct 1983. France: Senneville.
- 1169 TJ Poprawski (83-703). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Senneville.
- 1170 TJ Poprawski (83-704). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 23 Nov 1983. France: Senneville.
- 1171 TJ Poprawski (A2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1172 TJ Poprawski (A4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1173 TJ Poprawski (A5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Achouria.
- 1174 TJ Poprawski (A6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1175 TJ Poprawski (A7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Achouria.

- 1176 TJ Poprawski (J1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.
- 1177 TJ Poprawski (J2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.
- 1178 TJ Poprawski (J3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 7 Feb 1984. Morocco: Jorf.
- 1179 TJ Poprawski (J4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 2 Dec 1983. Morocco: Jorf.
- 1180 TJ Poprawski (J5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 2 Dec 1983. Morocco: Jorf.
- 1181 TJ Poprawski (J6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Jorf.
- 1182 TJ Poprawski (83-616). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Senneville.
- 1183 TJ Poprawski (J7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Jorf.
- 1185 [INRA Bb-142] TJ Poprawski. *Sitona discoideus* [Coleoptera: Curculionidae]. May 1977. France: Viols-le-Fort, Hérault.
- 1186 [INRA Bb-195] TJ Poprawski. Adult, *Caryedon serratus* [Coleoptera: Bruchidae]. 6 Jun 1983. France: La Minière.
- 1188 TJ Poprawski (E1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Elbaya.
- 1189 TJ Poprawski (A1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1190 TJ Poprawski (A3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1191 TJ Poprawski (645). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Dec 1983. France: Orléans, Loiret.
- 1192 TJ Poprawski (646). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Anet, Eure-et-Loir.
- 1193 TJ Poprawski (647). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Ecos, Eure.
- 1194 TJ Poprawski (648). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Meulan, Yvelines.
- 1269 [IRRI Pal. 2] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.
- 1270 [IRRI O2III] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.
- 1306 TJ Poprawski (83-611). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1309 TJ Poprawski (A8). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1311 TJ Poprawski (A10). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1312 TJ Poprawski (A11). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1313 TJ Poprawski (A12). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1314 TJ Poprawski (070A). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1315 TJ Poprawski (070B). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1316 TJ Poprawski (070C). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1317 TJ Poprawski (074A). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1318 TJ Poprawski (074B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1319 TJ Poprawski (076). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1320 TJ Poprawski (078). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1321 TJ Poprawski (079B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1322 TJ Poprawski (079C). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1323 TJ Poprawski (079D). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1324 TJ Poprawski (079E). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1325 TJ Poprawski (079F). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1326 TJ Poprawski (080). Nymph, [Orthoptera: Acrididae]. 27 Jun 1983. France: Prades, Pyrénées-Orientales.
- 1389 TJ Poprawski (088). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Baron.
- 1394 TJ Poprawski (071). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 18 Aug 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1395 TJ Poprawski (075). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 23 Aug 1983. France: Saint-Denis du Pin, Seine-Saint-Denis.

- 1396 TJ Poprawski (077A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1397 TJ Poprawski (077B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1398 TJ Poprawski (086). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Marsanne, Drôme.
- 1399 TJ Poprawski (087). Adult, *Hypera postica* [Coleoptera: Curculionidae]. Mar 1984. France: Marsanne, Drôme.
- 1404 TJ Poprawski (092A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1405 TJ Poprawski (092B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1406 TJ Poprawski (093A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1407 TJ Poprawski (093B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1408 TJ Poprawski (094A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1409 TJ Poprawski (094B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1410 TJ Poprawski (095). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1411 TJ Poprawski (096A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1412 TJ Poprawski (096B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1413 TJ Poprawski (097). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 13 Oct 1983. France: Senneville.
- 1414 TJ Poprawski (099). Nymph, *Lygus* sp. [Hemiptera: Miridae]. May 1984. France: Senneville.
- 1450 [CNPAF 52; CP 125] F Moscardi. *Sternechus sub-signatus* [Coleoptera: Curculionidae]. 27 Mar 1984. Brazil: Londrina, Paraná.
- 1453 [CNPAF 84-02-30-2; CP 143] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 1454 [CNPAF 84-03-28-1F; CP 144] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1455 [CNPAF 84-03-28-D; CP 145] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1456 [CNPAF 84-04-03-6A; CP 146] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1457 [CNPAF 84-03-28-1A; CP 147] RA Daoust. *Podisus* sp. [Hemiptera: Pentatomidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1458 [CNPAF 84-03-28-1E; CP 148] RA Daoust. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1459 [CNPAF 84-04-03-1E; CP 149] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
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- 1461 [CNPAF 84-03-29-1; CP 151] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 29 Mar 1984. Brazil: Capitão Leônidas Marques, Paraná.
- 1462 [CNPAF 84-03-28-1G; CP 152] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
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- 1464 [CNPAF 84-04-03-6B; CP 154] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
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- 1467 [CNPAF 84-04-02-5A; CP 157] RA Daoust and BP Magalhães. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: São Carlos, Santa Catarina.
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- 1470 [CNPAF 84-04-02-3; CP 160] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
- 1471 [CNPAF 84-04-02-4; CP 161] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
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- 1474 [CNPAF 84-04-02-1A; CP 164] RA Daoust, BP Magalhães and M Pinat. *Nezara viridula* [Hemiptera: Pentatomidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
- 1475 [CNPAF 84-04-03-1C; CP 165] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1476 [CNPAF 84-04-25-1; CP 166] SM dos Santos. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 25 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1478 SB Alves (256). *Euschistus heros* [Hemiptera: Pentatomidae] on soybean. Rec'd 6 Jul 1984. Brazil: Goiás. Identification verified genomically.
- 1479 SB Alves (246). *Stenomoma decora* [Lepidoptera: Stenomatinae] on cacao. Rec'd 6 Jul 1984. Brazil: Bahia.
- 1480 SB Alves (252). *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. Rec'd 6 Jul 1984. Brazil: São Paulo.
- 1483 SB Alves (61). *Cosmopolites sordidus* [Coleoptera: Curculionidae] on banana. Rec'd 6 Jul 1984. Brazil: Espírito Santo.
- 1484 SB Alves (196). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 6 Jul 1984. Brazil: Pernambuco.
- 1491 [INRA Bb-169] GG Soares. *Sitona humeralis* [Coleoptera: Curculionidae]. Mar 1981. France: Lusignan, Vienne.
- 1509 I Majchrowicz (56) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1510 I Majchrowicz (58) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1511 I Majchrowicz (75) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1512 TJ Poprawski (0102A). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.
- 1513 TJ Poprawski (0102B). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.
- 1514 TJ Poprawski (0103A). Pupa, *Musca autumnalis* [Diptera: Muscidae]. 13 Jun 1984. France: Le Trait, Seine-Maritime.
- 1515 TJ Poprawski (0107). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 13 Jun 1984. France.
- 1516 TJ Poprawski (0108). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 19 Aug 1984. France: Senneville.
- 1517 TJ Poprawski (0109). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 19 Jun 1984. France: Dagny.
- 1518 TJ Poprawski (0111). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.
- 1519 TJ Poprawski (0112). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.
- 1520 TJ Poprawski (0117A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.
- 1521 TJ Poprawski (0117B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.
- 1523 TJ Poprawski (0122). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. France: Ronce.
- 1524 TJ Poprawski (0123). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. France: Ronce.
- 1525 TJ Poprawski (0124A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
- 1526 TJ Poprawski (0124B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
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- 1528 TJ Poprawski (0126). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
- 1529 TJ Poprawski (0127A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.
- 1531 TJ Poprawski (0127B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.
- 1533 TJ Poprawski (0128A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1534 TJ Poprawski (0128B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1535 TJ Poprawski (0130A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1536 TJ Poprawski (0130B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1537 TJ Poprawski (0131A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
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- 1539 TJ Poprawski (0132). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

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- 1553 RS Soper (B). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
- 1554 RS Soper (C). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
- 1555 RS Soper (D). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
- 1556 RS Soper (E). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
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- 1559 KV Deseö (88) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1560 KV Deseö (89) ← Campadelli. *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1561 KV Deseö (90) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1562 KV Deseö (91) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1563 KV Deseö (92) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1564 [CBS 111238] KV Deseö (103) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna. Identification verified genomically. Ex-type isolate.
- 1566 S Keller (D155). [Coleoptera: Scolytidae]. 14 Aug 1984. Switzerland: Siblingen, Schaffhausen.
- 1619 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1620 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1621 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1622 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 27 Jul 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1623 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 27 Jul 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1624 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 30 Jul 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1627 TJ Poprawski (0104). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllő.
- 1628 TJ Poprawski (0105). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllő.
- 1629 TJ Poprawski (0106). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllő.
- 1630 TJ Poprawski (0118A). Larva, *Calliphora* sp. [Diptera: Calliphoridae]. 27 Jun 1984. France: Sèvres, Yvelines.
- 1635 TJ Poprawski (0133B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 Jun 1984. Austria: Burgenland.
- 1636 TJ Poprawski (0134). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1637 TJ Poprawski (0135A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1638 TJ Poprawski (0135B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1640 TJ Poprawski (0137). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1643 TJ Poprawski (0140). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1647 TJ Poprawski (0143). Adult, *Sitona* sp. [Coleoptera: Curculionidae]. 22 Aug 1984. France: Orval, Ardennes.
- 1648 TJ Poprawski (0144). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Charente.
- 1649 TJ Poprawski (0145). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Drôme.
- 1650 TJ Poprawski (0146). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Saint-Denis du Pin, Seine-Saint-Denis.
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- 2516 [CP 228] DR Sosa-Gómez. *Nezara viridula* [Hemiptera: Pentatomidae]. Jun 1986. Argentina: Yerba Bueno, Tucumán.
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- 2520 [CP 222] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 1983. Brazil: CNPS, Londrina, Paraná.
- 2544 SR Sánchez Peña. [Hemiptera: Cicadidae]. 20 Nov 1987. Mexico: San Pedro (Chipinque), Nuevo León.
- 2555 DG Boucias (5788). Acc'd 7 Mar 1988. Location not specified.
- 2559 [ARSEF 2638; CP 230] SB Alves (290). *Anthonomus grandis* [Coleoptera: Curculionidae]. Acc'd 13 Apr 1988. Brazil: ESALQ, Piracicaba, São Paulo.
- 2570 C Bradley (GMP1). Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.
- 2571 C Bradley (GMP2). Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.
- 2572 C Bradley. *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.
- 2573 C Bradley. *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.
- 2579 JJ Jackson. *Diabrotica barberi* [Coleoptera: Chrysomelidae]. 18 Jul 1988. USA: laboratory colony, Brookings, South Dakota.
- 2580 MD Bryan. Adult, *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Jul 1988. USA: laboratory cages, field collected population, Niles, Michigan.
- 2597 RC Rajak (ENT/42). *Hyblaea puer* [Lepidoptera: Hyblaeidae] on teak, *Tectona grandis*. Acc'd 12 Sep 1988. India.
- 2619 SB Alves (721). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Apr 1988. Brazil: Moju, Pará.
- 2621 SB Alves (726). Rec'd 7 Oct 1988. Location not specified.
- 2624 [CP 239] Reisolate from *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Location not specified.

- 2625 [CNPAF 88-5-6; CP 240] DW Roberts ← EC de Moura. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 6 May 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2626 [CNPAF 88-5-6A; CP 241] DW Roberts ← EC de Moura. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 6 May 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2629 [CNPAF PI-196; CP 244] DW Roberts ← Planalsucar. *Diatraea saccharalis* [Lepidoptera: Pyralidae]. 11 Feb 1985. Brazil: Usina Salgado, Ipojuca, Pernambuco.
- 2630 [CNPAF 63; CP 246] DW Roberts ← SB Alves. 5 Oct 1984. Brazil: Piracicaba, São Paulo.
- 2631 [CNPAF 258; CP 247] DW Roberts ← SB Alves. 5 Oct 1984. Brazil: Piracicaba, São Paulo.
- 2632 [CNPAF 267; CP 248] DW Roberts ← SB Alves. 5 Dec 1984. Brazil: Piracicaba, São Paulo.
- 2633 [CNPAF 268; CP 249] DW Roberts ← SB Alves. Larva, [Lepidoptera]. 9 Feb 1983. Brazil: Piracicaba, São Paulo.
- 2636 [CNPAF 88-6-17; CP 254] DW Roberts ← SM dos Santos. Laboratory contaminant. 17 Jun 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2637 [CNPAF 88-6-22; CP 255] DW Roberts ← E Dias Quintela. Larva, [Lepidoptera]. 22 Jun 1988. Brazil: Caucaia, Ceará.
- 2638 [ARSEF 2559; CP 230] DW Roberts ← SB Alves (290). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Brazil: ESALQ, Piracicaba, São Paulo.
- 2639 DW Roberts ← SB Alves (292). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Brazil: ESALQ, Piracicaba, São Paulo.
- 2642 DW Roberts ← SB Alves (695). *Metamasius hemipterus* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Brazil: Londrina, Paraná.
- 2676 WA Gardner and RD Harrison. Adult, *Curculio caryae* [Coleoptera: Curculionidae] on pecan. 25 Aug 1988. USA: Griffin, Georgia.
- 2685 [IMI 327908] C Prior (Kenya 1). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.
- 2686 [IMI 327909] C Prior (Kenya 2). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.
- 2687 [IMI 330194] C Prior (Kenya 3). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.
- 2688 [IMI 327910] C Prior (Togo 1). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2689 [IMI 329064] C Prior (Togo 2). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2690 [IMI 329065] C Prior (Togo 3). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2691 [IMI 329066] C Prior (Togo 4). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2692 [IMI 329067] C Prior (Togo 5). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2693 [IMI 327906] C Prior. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Mexico.
- 2695 Abbott Laboratories (89-201). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 24 Mar 1989. Commonwealth of Independent States.
- 2722 [Evans BioControl 447] B Bennett. *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd 30 May 1989. Brazil.
- 2723 [Evans BioControl 479] B Bennett. *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd 30 May 1989. Brazil.
- 2725 GW Riethmacher (B10C). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 4 Mar 1989. Philippines: La Trinidad, Benguet.
- 2727 GW Riethmacher (L1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 27 Jan 1989. Philippines: La Trinidad, Benguet.
- 2728 GW Riethmacher (L2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 27 Jan 1989. Philippines: La Trinidad, Benguet.
- 2729 GW Riethmacher (L3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 17 Mar 1989. Philippines: La Trinidad, Benguet.
- 2737 GW Riethmacher (BP). *Bombyx mori* [Lepidoptera: Bombycidae]. 23 Dec 1988. Philippines: La Trinidad, Benguet.
- 2739 GW Riethmacher (BB). Boverin formulation passed through *Plutella xylostella* [Lepidoptera: Plutellidae]. 28 Dec 1988. Philippines: La Trinidad, Benguet.
- 2748 GW Riethmacher (B13A). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 11 Mar 1989. Philippines: Atok, Benguet.
- 2831 AE Hajek ← K Tatman (MD99#6). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland. Identification verified genomically.
- 2857 SR Sánchez Peña (3-2). Pupa, [Lepidoptera]. Jul 1987. Mexico: Pueblo Nuevo, Durango.
- 2860 MG Feng (SG8702). *Schizaphis graminum* [Hemiptera: Aphididae] on spring wheat. 17 Jul 1987. USA: Parma, Idaho.
- 2861 MG Feng (DN8803). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 7 Jul 1988. USA: Parma, Idaho.
- 2864 MG Feng (DN8804). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.
- 2869 J Peña ← J Fortier. *Bephratelloides cubensis* [Hymenoptera: Eurytomidae]. 7 Jul 1989. USA: Homestead, Florida.

- 2879 MG Feng (DN8805). *Diuraphis noxia* [Hemiptera: Aphididae] on late spring barley. 27 Jul 1988. USA: Parma, Idaho.
- 2880 MG Feng (SG8701). *Schizaphis graminum* [Hemiptera: Aphididae] on spring wheat. 17 Jul 1987. USA: Parma, Idaho.
- 2881 MG Feng (SG8801). *Schizaphis graminum* [Hemiptera: Aphididae] on late spring barley. 28 Jul 1988. USA: Parma, Idaho.
- 2882 MG Feng (DN8806). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.
- 2883 [ARSEF 2336] MG Feng (SGBB8601). *Schizaphis graminum* [Hemiptera: Aphididae] on winter wheat. Jun 1986. USA: Parma, Idaho.
- 2938 [CP 270] SP Wraight ← R da Silva Carvalho. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2942 [CP 274] SP Wraight ← MGA de Lima. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 28 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2943 [CP 275] SP Wraight ← SM dos Santos and DR Sosa-Gómez. [Hymenoptera: Vespidae]. 8 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2944 [CP 276] SP Wraight ← LG Leite. [Hymenoptera: Vespidae]. 16 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2945 [CP 290] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.
- 2946 [CP 281] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.
- 2953 [UAF 189] DC Steinkraus. Adult, *Musca domestica* [Diptera: Muscidae]. 21 Jul 1989. USA: dairy farm, Cayuga County, New York.
- 2957 CENARGEN (CG 145). Rec'd 14 Mar 1990. Brazil: Manaus, Amazonas.
- 2961 CENARGEN (CG 165). *Lagriia vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.
- 2962 CENARGEN (CG 166). Egg, *Schirius* sp. [Lepidoptera: Saturniidae]. Rec'd 14 Mar 1990. Brazil: Curitiba, Paraná.
- 2972 K Ostrovska. *Phlebotomus papatasi* [Diptera: Psychodidae]. Rec'd 1 Oct 1991. United Kingdom: laboratory colony, London School for Tropical Medicine & Hygiene, London, England.
- 2976 DM Schmidt. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. 14 Mar 1990. USA: Centre County, Pennsylvania.
- 2983 T Searle (CW1). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2984 T Searle (CW2). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2985 T Searle (CW3). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.
- 2986 T Searle (CW4). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.
- 2987 T Searle (LD1). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2988 T Searle (LD2). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2989 T Searle (LD3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2990 T Searle (LD4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2991 T Searle (LD5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 3018 CENARGEN (CG 68). *Forficula auricularia* [Dermaptera: Forficulidae]. Apr 1988. Brazil: Brasília, Distrito Federal.
- 3019 CENARGEN (CG 69). *Deois flavopicta* [Hemiptera: Cercopidae]. Apr 1988. Brazil: Brasília, Distrito Federal.
- 3020 CENARGEN (CG 86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 20 Jul 1990. Brazil: Pernambuco.
- 3037 W Mechaber (weevil#2354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.
- 3040 WE Jones (SHB). [Coleoptera: Scolytidae] inside macadamia nut kernel. May 1990. USA: Kona, Island of Hawaii, Hawaii.
- 3041 WE Jones (499v2). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 7 Aug 1990. Canada: Toronto, Ontario.
- 3086 J Peña ← H Glenn. *Leptoglossus fulvicornis* [Hemiptera: Coreidae] on holly. 7 Sep 1990. USA: Homestead, Florida.
- 3097 Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 18 Oct 1990. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS: contact Curator.**
- 3098 L Loch ← G Albuquerque. *Oryzophagus oryzae* [Coleoptera: Curculionidae] on rice. Rec'd 29 Oct 1990. Brazil: Pôrto Alegre, Rio Grande do Sul.
- 3111 DW Watson (P 89) ← L Meinke. *Diabrotica virgifera* [Coleoptera: Chrysomelidae]. 13 Sep 1990. USA: Mead, Nebraska.

- 3112 JK Cawthra and CJ Geden (P 89). [Coleoptera: Staphylinidae] originally from beef feed lot. 10 Sep 1990. USA: laboratory colony, Lincoln, Nebraska.
- 3113 [CIRI Anderson Isolate] LC Lewis. Soil isolate passed through *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Apr 1990. Laboratory manipulation: Iowa State Univ. Research Farm.
- 3120 G Mercadier and TJ Poprawski (8851). [Hemiptera: Aphididae] on *Senecio* sp. 10 Jun 1988. France: Béhoust, Yvelines.
- 3154 G Mercadier and TJ Poprawski (8809B). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.
- 3155 G Mercadier and TJ Poprawski (8809C). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Akyurt, Ankara.
- 3156 G Mercadier and TJ Poprawski (8809D). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. Jun 1988. Turkey: Akyurt, Ankara.
- 3157 G Mercadier and TJ Poprawski (8809E). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Güdül, Ankara.
- 3158 G Mercadier and TJ Poprawski (8809G). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 13 Jun 1988. Turkey: Karasar, Ankara.
- 3166 G Mercadier and TJ Poprawski (8835A). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. Jun 1988. Turkey: Beypazari, Ankara.
- 3167 G Mercadier and TJ Poprawski (8835B). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 13 Jun 1988. Turkey: Ayas, Ankara.
- 3168 G Mercadier and TJ Poprawski (8835C). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 12 Jun 1988. Turkey: Sirkeli, Ankara.
- 3169 G Mercadier and TJ Poprawski (8835D). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 13 Jun 1988. Turkey: Urus.
- 3181 GW Riethmacher (B37a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon.
- 3197 GW Riethmacher (Bet1). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3198 GW Riethmacher (Bet2). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3199 GW Riethmacher (Bet3). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3215 G Mercadier and TJ Poprawski (8854 (second form)). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3122.
- 3219 [CP 478(479?)] DW Roberts ← JM Gomes. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Rec'd 8 Feb 1991. Brazil.
- 3285 J Gutierrez Samperio (1) ← ERD Reyes. *Atta* sp. [Hymenoptera: Formicidae]. 1987. Mexico: Monterrey, Nuevo León.
- 3286 J Gutierrez Samperio (2) ← ERD Reyes. *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 1987. France: Montpellier, Hérault.
- 3287 J Gutierrez Samperio (3) ← ERD Reyes. *Diabrotica* sp. [Coleoptera: Chrysomelidae] on corn. 1988. Mexico: Colima.
- 3288 J Gutierrez Samperio (4) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3309 J Gutierrez Samperio (25) ← ERD Reyes. *Diabrotica balteata* [Coleoptera: Chrysomelidae] on corn. 1990. Mexico: Colima.
- 3310 J Gutierrez Samperio (26) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Comala, Colima.
- 3311 J Gutierrez Samperio (27) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3312 J Gutierrez Samperio (28) ← ERD Reyes. [Hemiptera: Membracidae] on sugar cane. 1990. Mexico: Cuauhtémoc, Colima.
- 3385 I Majchrowicz (25-a). *Myzus persicae* [Hemiptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3386 I Majchrowicz (23). [Coleoptera: Carabidae] nr. potato plants. 3 Jul 1991. USA: garden nr. USDA laboratory, Yakima, Washington.
- 3403 MS Goettel. *Ceutorhynchus litura* [Coleoptera: Curculionidae]. Rec'd 6 Mar 1992. Location not specified.
- 3404 AE Hajek (24). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: C & O Canal, Allegany County, Maryland.
- 3437 [CATIE 1] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Rec'd 28 Oct 1991. Costa Rica: Turrialba, Cartago.
- 3438 [CATIE 2] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3439 [CATIE 3] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3440 [CATIE 4] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3441 [CATIE 5] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3442 [CATIE 6] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3443 [CATIE 7] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.

- 3444 [CATIE 8] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3445 [CATIE 9] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3446 [CATIE 10] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3447 [CATIE 11] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3448 [CATIE 12] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3449 [CATIE 13] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3450 [CATIE 14] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3451 [CATIE 15] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3452 [CATIE 16] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3453 [CATIE 17] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3454 [CATIE 18] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3455 [CATIE 19] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3456 [CATIE 20] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3457 [CATIE 21] TG Zoebisch. [Coleoptera: Languriidae] on *Macadamia integrifolia*. Sep 1991. Costa Rica: Turrialba, Cartago.
- 3460 SV Krueger (540). Soil. Jun 1991. USA: Smith Forest, Trumansburg, New York.
- 3462 MS Goettel (MISI). Soil. 12 Jul 1991. Canada: nr. Magrath, Alberta.
- 3477 CENARGEN (CG 187). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3513 I Quintela (VL5). Rec'd 13 Dec 1991. Location not specified.
- 3514 I Quintela (VL6). Rec'd 13 Dec 1991. Colombia.
- 3515 I Quintela (VL7). Rec'd 13 Dec 1991. Location not specified.
- 3516 I Quintela. Rec'd 13 Dec 1991. Location not specified.
- 3527 AE Hajek (58a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: nr. Ruckersville, Greene County, Virginia.
- 3530 AE Hajek (220b). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Piclic Run, Allegany County, Maryland.
- 3534 SM DeFazio and PD McKown (C-7). *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1991. Location not specified.
- 3543 M Brownbridge (B-33). Soil, using *Galleria melonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3607 IMI (I91-612). *Anacridium aegyptium*. Rec'd 26 Feb 1992. Greece: Crete.
- 3620 IMI (Mycotech). *Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. USA. **RESTRICTED ACCESS:** contact Curator.
- 3622 IMI (331275). [Orthoptera]. Rec'd 26 Feb 1992. USA.
- 3667 AE Hajek (BFMS). [Coleoptera: Curculionidae]. Apr 1991. USA: New York.
- 3681 LS Osborne. Organic Naturalis. Rec'd Apr 1992. Location not specified.
- 3716 RA LeBrun ← J Hanula (C-2). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1992. Location not specified.
- 3717 RA LeBrun ← J Hanula (C-3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.
- 3734 SB Alves (447). Rec'd 12 Jun 1992. Location not specified.
- 3769 DC Steinkraus. *Lygus lineolaris* [Hemiptera: Miridae]. 12 Jun 1992. USA: Little River County, Arkansas.
- 3818 ERD Reyes (BbCO1). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3819 ERD Reyes (BbCO2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3825 S Walsh (3762T5) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation.
- 3858 [JB Tavares BRA-000035] MS Tigano-Milani (CG-86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 13 Jan 1993. Brazil.
- 3866 LA Lacey (92214). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 3867 LA Lacey (92178) ← A Farias. *Diuraphis noxia* [Hemiptera: Aphididae]. 28 Jul 1992. France: Montpellier, Hérault.
- 3890 [ARSEF 3385] N Underwood (U3385). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

- 3891 [ARSEF 3166] N Underwood (3166). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3892 N Underwood (2457). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3897 LA Lacey (92219). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Iráklion, Crete.
- 3905 [ARSEF 2882] N Underwood (U2882). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3906 [ARSEF 1555] N Underwood (U1555). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3907 [ARSEF 2320] N Underwood (U2320). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3908 [ARSEF 3908] N Underwood (U3908). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3927 DR Sosa-Gómez (CNPSo-Bb46). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 3934 DR Sosa-Gómez (CNPSo-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 3937 DR Sosa-Gómez (CNPSo-P23). [Lepidoptera: Noctuidae: Plusiinae]. 19 Jan 1990. Brazil: Londrina, Paraná.
- 3966 LA Lacey (93003) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3967 LA Lacey (93004) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3968 LA Lacey (93005) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3969 LA Lacey (93006) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3970 LA Lacey (93007) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3972 LA Lacey (93009) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3973 LA Lacey (93010) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3974 LA Lacey (93011) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3975 LA Lacey (93012) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3977 LA Lacey (93014) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3978 LA Lacey (93015) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3979 LA Lacey (93016) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3995 LA Lacey (93032) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3996 LA Lacey (93033) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3999 LA Lacey (93036) ← Hermes. [Hemiptera: Membracidae]. 4 Apr 1993. Brazil: Bahia.
- 4001 [A Mesquita] LA Lacey (93038). *Crimissa cruralis* [Coleoptera: Chrysomelidae]. 3 May 1993. Brazil: Pacajus, Ceará.
- 4012 T Steenberg (194) ← M Steen. *Delia radicum* [Diptera: Anthomyiidae]. Jul 1989. Denmark: Insect Rearing Unit, Zealand.
- 4013 T Steenberg (195) ← A Kirkeby-Thomse. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1993. Denmark: Copenhagen, Tåstrup, Zealand.
- 4014 T Steenberg (195-S) ← A Kirkeby-Thomse. Sep 1989. Laboratory manipulation: Single spore isolate of ARSEF 4013.
- 4015 T Steenberg (196) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1989. Denmark: Falster, Storstrøm.
- 4016 T Steenberg (201) ← V Langer. *Sitona lineatus* [Coleoptera: Curculionidae] on white clover. Mar 1990. Denmark: Ringsted, Zealand.
- 4017 T Steenberg (201-S) ← V Langer. Mar 1990. Laboratory manipulation: Single spore isolate of ARSEF 4016.
- 4018 T Steenberg (202) ← J Eilenberg. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Mar 1990. Denmark: Jægerspris, Zealand.
- 4019 T Steenberg (205) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Mar 1990. Denmark.
- 4021 T Steenberg (212) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae] on pea. Jul 1990. Denmark: Pajbjerg, Jutland.
- 4023 T Steenberg (217). *Apion* sp. [Coleoptera: Curculionidae] on alfalfa. Oct 1990. Denmark: Copenhagen, Tåstrup, Zealand.
- 4026 T Steenberg (228). Phylum Arthropoda, Class Insecta soil. Nov 1990. Denmark: Næstved, Zealand.
- 4028 T Steenberg (233) ← CW Riedel. *Tachyporus* sp. [Coleoptera: Staphylinidae]. Jan 1991. Denmark: Svanholm, Zealand.

- 4030 Acc'd 8 Dec 1993.
- 4031 T Steenberg (237) ← CW Riedel. *Amara plebeja* [Coleoptera: Carabidae]. Jan 1991. Denmark: Foulum, Jutland.
- 4032 T Steenberg (238) ← CW Riedel. *Bembidion lampros* [Coleoptera: Carabidae]. Jan 1991. Denmark: Svandholm, Zealand.
- 4034 T Steenberg (240). *Amara familiaris* [Coleoptera: Carabidae]. Mar 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4035 T Steenberg (244) ← A Kirkeby-Thomse. [Heteroptera: Miridae] Alfalfa. Sep 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4038 T Steenberg (253). *Hypera postica* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4041 T Steenberg (261). *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4046 T Steenberg (276) ← V Langer. *Anotylus sp.* [Coleoptera: Staphylinidae]. Nov 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4049 T Steenberg (298). *Hypera postica* [Coleoptera: Curculionidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4051 T Steenberg (349). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Nov 1992. Denmark: Brenderup, Fyn.
- 4052 T Steenberg (355). [Coleoptera: Curculionidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4053 T Steenberg (356). *Lygus sp.* [Heteroptera: Miridae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4054 T Steenberg (359). *Gyrohypnus angustatus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4055 T Steenberg (362). [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4056 T Steenberg (365). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4057 T Steenberg (426). [Heteroptera]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4091 LA Lacey (94001). *Tibraca limbativentres* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4092 LA Lacey (94002). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4093 LA Lacey (94003). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4099 [ARSEF 2879] J McManus (DnBb2g4p.ss1). *Diuraphis noxia* [Hemiptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolat of ARSEF 4108.
- 4100 [ARSEF 2879] J McManus (DnBb2g4p.ss2). *Diuraphis noxia* [Hemiptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolat of ARSEF 4108.
- 4101 [ARSEF 2879] J McManus (DnBb2g4p.ss3). *Diuraphis noxia* [Hemiptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolat of ARSEF 4108.
- 4106 JD Vandenberg (DnBb2i3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4107 JD Vandenberg (DnBb2h2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4108 JD Vandenberg (DnBb2g2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4109 JD Vandenberg (DnBb2d2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4110 JD Vandenberg (DnBb2b2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4111 JD Vandenberg (DnBb2e2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4112 JD Vandenberg (DnBb2f2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4113 JD Vandenberg (DnBb1a3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4114 JD Vandenberg (DnBb1b3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4115 JD Vandenberg (DnBb1c3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4116 JD Vandenberg (DnBb1d3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4117 JD Vandenberg (DnBb1e3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.
- 4118 JD Vandenberg (DnBb1f3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolat of ARSEF 2879.

- 4119 JD Vandenberg (DnBb1g3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4120 JD Vandenberg (DnBb1h4p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4121 JD Vandenberg (DnBb1j4p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4130 [DAT 7; RJ Milner F11] AC Rath (F007). *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 12 Jul 1979. Australia: Guyra, New South Wales.
- 4135 [DAT 15] AC Rath (F015). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.
- 4136 [DAT 17] AC Rath (F017). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.
- 4200 LA Lacey (94013) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 28 Feb 1993. Spain: Murcia.
- 4258 [DAT 49] AC Rath (F049). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 6 Nov 1987. Australia: Sorell, Tasmania.
- 4276 [DAT 99] AC Rath (F099) ← H Yip. Soil. 7 Jan 1988. Australia: Weld Pass, Tasmania.
- 4289 [DAT 500] AC Rath (F500). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4305 [DAT 327] AC Rath (F327) ← H Yip (HY31). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4377 LA Lacey (94106). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4378 LA Lacey (94107). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4379 LA Lacey (94108). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4382 LA Lacey (94140) ← CAAS (93.1). [Coleoptera]. 7 May 1994. Location not specified.
- 4462 J McManus (DnBb203PSS#1). *Diuraphis noxia* [Hemiptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4463 J McManus (DnBb203PSS#2). *Diuraphis noxia* [Hemiptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4464 J McManus (DnBb203PSS#3). *Diuraphis noxia* [Hemiptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4523 JD Vandenberg (APH3). [Hemiptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4524 JD Vandenberg (APH6). [Hemiptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4525 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] on broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4526 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4527 JD Vandenberg (DBM2a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4528 JD Vandenberg (DBM2b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4529 JD Vandenberg (DBM3a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4530 JD Vandenberg (DBM3b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4531 JD Vandenberg (DBM4a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4532 JD Vandenberg (DBM4b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4533 JD Vandenberg (DBM5a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4534 JD Vandenberg (DBM5b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4535 JD Vandenberg (DBM6a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4536 JD Vandenberg (DBM6b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4537 JD Vandenberg (DBM8a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4538 JD Vandenberg (DBM8b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4539 JD Vandenberg (DBM10b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4540 J Altre (BB5B#1). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.

- 4543 J Altre (BB5B#4). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4589 [DAT 42] AC Rath (F42) ← RJ Milner (F125). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 4607 [DAT 41] AC Rath (F041) ← RJ Milner (F117). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 6 Dec 1976. Australia: Ebor, New South Wales.
- 4616 [DAT 84] AC Rath (F084). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4672 [DAT 48] AC Rath (F048). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 30 Sep 1987. Australia: Plenty, Tasmania.
- 4685 [DAT 115] AC Rath (F115). Soil. 14 Jan 1988. Australia: Lockfaine Benham, Avoca, Tasmania.
- 4688 KT Hodge (kth24). [Odonata: suborder Anisoptera]. 31 Aug 1994. USA: Cornell University wildflower garden, Ithaca, New York.
- 4691 J McManus (DnBb30.252.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. Manipulation., Ithaca, New York. Reisolate of ARSEF 252. Passed through RWA.
- 4692 J McManus (DnBb30.320.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 320 passed through RWA.
- 4693 J McManus (DnBb30 and 708.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 708 passed through RWA.
- 4694 J McManus (DnBb25 and 2882.3Pss#1). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2882 passed through RWA.
- 4695 J McManus (DnBb30 and 2883.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2883 passed through RWA.
- 4696 J McManus (DnBb30 and 3385.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 3385 passed through RWA.
- 4697 J McManus (DnBb25 and F-1.3Pss#1). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. An isolate from grasshoppers named F-2 was passed through and reisolated from RWA during a screening assay.
- 4744 [DAT 346] AC Rath (F346) ← H Yip (HY13). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4798 J Brito (7A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4799 J Brito (14A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4866 BL Parker (AVRDC-0511B). Soil. 10 Nov 1994. Republic of China: AVRDC Field #92, Taiwan.
- 4973 J McManus (HcBbV64 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. Rec'd 30 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4974 J McManus (HcBbF66.1 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4975 J McManus (HcBbF66.2 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4976 J McManus (DnBbV64.1 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4977 J McManus (DnBbV64.2 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4978 J McManus (DnBbV64.3 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4979 J McManus (DnBbV64.4 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4981 LA Lacey (95036) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4982 LA Lacey (95037) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4983 LA Lacey (95038) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4984 LA Lacey (95039) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 5064 LA Lacey (95056). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5066 LA Lacey (95058). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5067 LA Lacey (95059). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5069 LA Lacey (95060). [Hymenoptera: Formicidae]. 12 Oct 1995. France: Port d' Hérault.

- 5071 LA Lacey (95063). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodève, Hérault.
- 5072 LA Lacey (95064). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodève, Hérault.
- 5148 DL Hostetter (T090). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5150 DL Hostetter (T103). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5169 S Gouli (GA-81). [Lepidoptera: Tortricidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5170 S Gouli (GA-82). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5171 S Gouli (GA-83). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5172 S Gouli (GA-84). [Araneida: Araneae]. 29 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5173 S Gouli (GA-85). [Araneida: Araneae]. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5195 RA LeBrun. Larva, *Lilioceris lili* [Coleoptera: Chrysomelidae]. Rec'd 20 May 1996. URI.
- 5229 LA Lacey (96007). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5230 LA Lacey (96008). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5231 LA Lacey (96009). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5233 LA Lacey (96011). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5234 LA Lacey (96012). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5235 LA Lacey (96013). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5273 SARL (33) ← SP Wraight (SARL 33) ← APHIS (WFP-361) and LA Lacey (92221). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 5274 SARL (41) ← SP Wraight (Lacey 92221-Bt1) ← L Lacey (92221-Bt1) and SARL (33). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5275 SARL (106) ← SP Wraight (252-Bt-1; SPW-42) ← ARSEF (252). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5276 SARL (107) ← SP Wraight (252 Bt-2; SPW-43) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5277 SARL (108) ← SP Wraight (252-Bt-3; SPW-44) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5278 SARL (110) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5279 SARL (111) ← SP Wraight (252-Bt-3) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5280 SARL (112) ← SP Wraight (252-BT-4) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5281 SARL (122) ← SP Wraight (252-Bt-5) ← ARSEF (252) ← SARL (22). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5282 SARL (123) ← SP Wraight (252-Bt-6) ← SARL (22) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Apr 1993. Location not specified: Laboratory manipulation.
- 5283 SARL (133) ← SARL (133) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5284 SARL (134) ← SP Wraight (252-BT-2) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5285 SARL (144) ← SP Wraight (252-Bt-x3) ← ARSEF (252). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5286 SARL (155) ← TJ Poprawski ← ARSEF (252). *Lepitotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 9 Aug 1996. Location not specified.
- 5287 SARL (160) ← RI Carruthers, JC Legaspi and TJ Poprawski (9436). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5288 SARL (161) ← RI Carruthers, JC Legaspi and TJ Poprawski (9446). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5289 SARL (162) ← RI Carruthers, JC Legaspi and TJ Poprawski (9432). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

- 5290 SARL (163) ← RI Carruthers, JC Legaspi and TJ Poprawski (9474). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5291 SARL (164) ← RI Carruthers, JC Legaspi and TJ Poprawski (9499). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5292 SARL (165) ← RI Carruthers, JC Legaspi and TJ Poprawski (9494). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5293 SARL (166) ← RI Carruthers, JC Legaspi and TJ Poprawski (9485). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5294 SARL (167) ← RI Carruthers, JC Legaspi and TJ Poprawski (9480). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5295 SARL (168) ← RI Carruthers, JC Legaspi and TJ Poprawski (9429). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5296 SARL (169) ← RI Carruthers, JC Legaspi and TJ Poprawski (9423). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5339 DW Watson (P 89) ← CJ Geden (P 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Powell Farm, Seneca County, New York.
- 5340 DW Watson (L 89) ← CJ Geden (L 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Lockwood Farm, Cayuga County, New York.
- 5341 DW Watson (W 89) ← CJ Geden (W 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Wood Farm, Schuyler County, New York.
- 5342 DW Watson (B 90) ← CJ Geden (B 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Bishop Farm, Cayuga County, New York.
- 5343 DW Watson (D 90) ← CJ Geden (D 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Dann Farm, Tompkins County, New York.
- 5344 DW Watson (H 90) ← CJ Geden (H 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Howland Farm, Tioga County, New York.
- 5345 DW Watson (L 90) ← CJ Geden (L 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Lockwood Farm, Cayuga County, New York.
- 5346 DW Watson (Pow 90) ← CJ Geden (Pow 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Power Farm, Cortland County, New York.
- 5347 DW Watson (W 90) ← CJ Geden (W 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Wood Farm, Schuyler County, New York.
- 5436 TJ Poprawski (TJP901) ← G Mercadier (EBCL 97001). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5437 TJ Poprawski (TJP902) ← G Mercadier (EBCL 97002). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5438 TJ Poprawski (TJP903) ← G Mercadier (EBCL 97003). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5439 TJ Poprawski (TJP904) ← G Mercadier (EBCL 97004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5440 TJ Poprawski (TJP905) ← G Mercadier (EBCL 97005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5441 TJ Poprawski (TJP906) ← G Mercadier (EBCL 97027). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5442 TJ Poprawski (TJP907) ← G Mercadier (EBCL 97028). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5443 TJ Poprawski (TJP908) ← G Mercadier (EBCL 97016). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5444 TJ Poprawski (TJP909) ← G Mercadier (EBCL 97017). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5445 TJ Poprawski (TJP910) ← G Mercadier (EBCL 97018). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5446 TJ Poprawski (TJP911) ← G Mercadier (EBCL 97019). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5447 TJ Poprawski (TJP912) ← G Mercadier (EBCL 97020). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5448 TJ Poprawski (TJP913) ← G Mercadier (EBCL 97021). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5449 TJ Poprawski (TJP914) ← G Mercadier (EBCL 97022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5450 TJ Poprawski (TJP915) ← G Mercadier (EBCL 97023). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5451 TJ Poprawski (TJP916) ← G Mercadier (EBCL 97024). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5452 TJ Poprawski (TJP917) ← G Mercadier (EBCL 97025). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

- 5453 TJ Poprawski (TJP918) ← G Mercadier (EBCL 97026). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5454 TJ Poprawski (TJP919) ← G Mercadier (EBCL 97011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5455 TJ Poprawski (TJP920) ← G Mercadier (EBCL 97012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5456 TJ Poprawski (TJP921) ← G Mercadier (EBCL 97013). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5457 TJ Poprawski (TJP922) ← G Mercadier (EBCL 97014). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5458 TJ Poprawski (TJP923) ← G Mercadier (EBCL 97015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5459 TJ Poprawski (TJP924) ← G Mercadier (EBCL 97029). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5460 TJ Poprawski (TJP925) ← G Mercadier (EBCL 97030). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5465 TJ Poprawski (TJP930). Overwintering adult, *Galerucella* sp. [Coleoptera: Chrysomelidae]. Rec'd 9 May 1997. USA: USDA-APHIS-PPQ Biocontrol Laboratory, Mission, Texas.
- 5466 TJ Poprawski (TJP931). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 10 cm deep., Larimore, North Dakota.
- 5467 TJ Poprawski (TJP932). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 20 cm deep., Larimore, North Dakota.
- 5477 G Mercadier (EBCL 97006). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5478 G Mercadier (EBCL 97007). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5479 G Mercadier (EBCL 97008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5480 G Mercadier (EBCL 97009). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5481 G Mercadier (EBCL 97010). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5482 G Mercadier (EBCL 97032). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5483 G Mercadier (EBCL 97033). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5484 G Mercadier (EBCL 97034). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.6, Toumbokri.
- 5485 G Mercadier (EBCL 97036). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5486 G Mercadier (EBCL 97037). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5487 G Mercadier (EBCL 97038). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5488 G Mercadier (EBCL 97039). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5489 G Mercadier (EBCL 97040). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5490 G Mercadier (EBCL 97041). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5492 M Brownbridge (MLC8). *Paraclemensia acerifoliella* [Lepidoptera: Incurvariidae]. Rec'd 16 May 1997. USA: Randolph, Vermont.
- 5493 M Brownbridge (FREY2). *Aphis gossypii* [Hemiptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5494 M Brownbridge (FREY3). *Aphis gossypii* [Hemiptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5495 M Brownbridge (EW1). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5496 M Brownbridge (EW2). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5500 C López Lastra ← G Dalbello (#6). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. 1993. Argentina: Oliveros, Santa Fe.
- 5501 C López Lastra ← G Dalbello (#7). *Xanthogaleruca luteola* [Coleoptera: Chrysomelidae] on *Ulmus* sp. . 1994. Argentina: La Plata, Buenos Aires.
- 5502 C López Lastra ← G Dalbello (#8). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 12 Jun 1997. Argentina: Oliveros, Santa Fe.
- 5510 I Klingen (TØF 15.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Sep 1996. Norway: Steinkjer, Nord Trøndelag. **RESTRICTED ACCESS:** contact Curator.
- 5533 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5534 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.

- 5535 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5536 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5537 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5553 LK Rieske-Kinney. *Odontota dorsalis* [Coleoptera: Chrysomelidae]. Rec'd 14 Oct 1997.
- 5573 N Mihelcic. *Rhyacionia frustrana* [Lepidoptera: Tortricidae]. Rec'd 17 Nov 1997. USA: loblolly pine plantation, Clarke County, Georgia.
- 5623 I Vänninen (SF86-9). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 28 Aug 1986. Finland: Närpiö, Vaasan Lääni.
- 5629 ST Jaronski (ER13). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5630 ST Jaronski (ER14). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5631 ST Jaronski (ER15). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5632 ST Jaronski (ER28). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5633 ST Jaronski (ER36). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5634 ST Jaronski (ER37). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5635 ST Jaronski (ER47). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5636 ST Jaronski (ER50). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5637 ST Jaronski (ER54). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5638 ST Jaronski (ER61). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5639 ST Jaronski (ER65). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5640 ST Jaronski (ER68). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5641 ST Jaronski (ER70). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5642 ST Jaronski (ER82). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5643 ST Jaronski (ER86). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5645 [IITA 184] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 4 Sep 1996. Benin: IITA field, Cotonou, Atlantique.
- 5646 [IITA 185] A Cherry. *Coniesta sp.* [Lepidoptera: Pyralidae]. 12 Sep 1996. Benin: Monkassa, Malanville, Borgou.
- 5647 [IITA 279] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Massin, Malanville, Borgou.
- 5648 [IITA 295] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Bussokari, Malanville, Borgou.
- 5649 [IITA 313] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 19 Nov 1996. Benin: Soclogbo, Dassa.
- 5650 [IITA 478] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5651 [IITA 479] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5652 [IITA 480] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Benin: IITA field, Cotonou, Atlantique.
- 5653 [IITA 581] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae] from forest soil. 24 Oct 1997. Benin: Bassia-P.
- 5654 [IITA 583] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5655 [IITA 584] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5665 BL Parker (SPT-002). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabykly, Narli, Kahraman Maras.
- 5667 BL Parker (SPT-008). Soil. 17 Jan 1998. Turkey: Karabykly, Narli, Kahraman Maras.
- 5670 BL Parker (SPT-019). [Coleoptera: Elateridae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5671 BL Parker (SPT-021). Leaf litter. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5672 BL Parker (SPT-022). [Coleoptera: Adephaga]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5673 BL Parker (SPT-023). Leaf litter. 19 Jan 1998. Turkey: Belen, Gaziantep.

- 5674 BL Parker (SPT-032). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5704 JL Hatting (2). *Bombyx mori* [Lepidoptera: Bombycidae]. Nov 1998. South Africa: Bethlehem, Free State.
- 5705 JL Hatting (PPRI 6688). *Diuraphis noxia* [Hemiptera: Aphididae] on *Triticum aestivum*. 4 Sep 1997. South Africa: Langgewens, Western Cape Province.
- 5725 L Erkiç (Hursit Dagi-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 31 Mar 1998. Turkey: Gaziantep, Gaziantep.
- 5737 ST Jaronski (SP14). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5738 ST Jaronski (SP16). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5740 MCHCA Bernal (BbGC1). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Rec'd Jun 1998. Mexico: Colima.
- 5741 MCHCA Bernal (BbGC2). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5742 MCHCA Bernal (BbGC5). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5743 MCHCA Bernal (BbGC8). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5744 MCHCA Bernal (BbGC9). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5745 MCHCA Bernal (BbGC11). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Oct 1996. Mexico: Cofradía de la luz, Jalisco.
- 5753 BL Parker (SPT 001). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.
- 5762 BL Parker (SPT 046). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.
- 5767 BL Parker (AT 036). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 May 1997. USA: Gillette Castle State Park, Connecticut.
- 5768 BL Parker (AT 050). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.
- 5769 BL Parker (AT 052). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.
- 5770 [ERL 101] S Gouli (AT-086) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 21 Sep 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5796 BL Parker (HWA 289/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 27 May 1997. USA: Forest Park, Massachusetts.
- 5807 B Broadbent (BB001). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, Agriculture and Agri-Food Canada. 22 Jul 1996. Canada: London, Ontario.
- 5808 B Broadbent (BB008). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Medicago sativa*. 17 Jun 1998. USA: Ulster County, New York.
- 5813 LS Bauer. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 20 Aug 1998. USA: East Lansing, Michigan.
- 5836 T Steenberg (SSL 6). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from adult *Sitona lineatus* [Coleoptera: Curculionidae].
- 5838 T Steenberg (SSL 25). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified mite [Arachnida: Acari].
- 5839 T Steenberg (SSL 27). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Tachyporus* sp. [Coleoptera: Staphylinidae].
- 5840 T Steenberg (SSL 28). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from unidentified curculionid beetle [Coleoptera: Curculionidae].
- 5843 T Steenberg (SSL 55). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated *Anotylus* sp. [Coleoptera: Staphylinidae].
- 5853 T Steenberg (SSL 448). *Sminthurus viridis* [Collembola: Sminthuridae] on white clover. Aug 1995. Denmark: Copenhagen, Tåstrup, Zealand.
- 5857 T Steenberg (SSL 608). Adult, *Ahasverus advena* [Coleoptera: Cucujidae: Silvaninae]. Feb 1997. Denmark: Broiler house, Hesselager, Funen.
- 5861 T Steenberg (SSL 627). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
- 5862 T Steenberg (SSL 628). Adult, *Haematobia irritans* [Diptera: Muscidae]. Jul 1997. Denmark: Store Vildmose, Jutland.
- 5863 T Steenberg (SSL 631). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
- 5864 T Steenberg (SSL 633). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Store Vildmose, Jutland.
- 5865 T Steenberg (SSL 634). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.
- 5866 T Steenberg (SSL 638). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.

- 5886 FE Vega (EBCL 98029). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 5887 FE Vega (EBCL 98031). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 5888 FE Vega (EBCL 98032). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 5956 JL Stimac (UF 434). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.
- 5957 JL Stimac (UF 440). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.
- 5958 JL Stimac (UF 485). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Feb 1987. Brazil: Piracicaba, São Paulo.
- 5960 JL Stimac (UF 555). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.
- 5961 JL Stimac (UF 557). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.
- 5962 JL Stimac (UF 560). *Solenopsis invicta* [Hymenoptera: Formicidae]. May 1987. Brazil: Mato Grosso.
- 5963 JL Stimac (UF 590). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Feb 1987. Brazil: Piracicaba, São Paulo.
- 5964 JL Stimac (UF 608). From nest soil of *Solenopsis* Sep 1987. Brazil: Mato Grosso.
- 5965 JL Stimac (UF 614). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Jul 1987. Brazil: Lavras, Minas Gerais.
- 5966 JL Stimac (UF 876). *Solenopsis quinquecupis* [Hymenoptera: Formicidae]. Jul 1989. Uruguay: Colonia.
- 5967 JL Stimac (UF 893). *Solenopsis invicta* [Hymenoptera: Formicidae]. Mar 1989. Uruguay: Parque Sta Teresa.
- 5968 JL Stimac (UF 900). *Solenopsis quinquecupis* [Hymenoptera: Formicidae]. Mar 1989. Brazil: Rio Grande do Sul.
- 5969 JL Stimac (UF 901). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Mar 1989. Brazil: Rio Grande do Sul.
- 5970 JL Stimac (UF 18A10). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.
- 5971 JL Stimac (UF 19A4). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.
- 5972 JL Stimac (UF 19D2). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.
- 5973 JL Stimac (UF FP112C1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Apr 1989. USA: Gainesville, Florida.
- 5974 JL Stimac (UF SP32). *Solenopsis invicta* [Hymenoptera: Formicidae]. Apr 1989. USA: Gainesville, Florida.
- 5977 JL Stimac (UF 5715). *Scapteriscus vicinus* [Orthoptera: Gryllotalpidae]. Rec'd 23 Nov 1998. USA: Florida.
- 5978 JL Stimac (UF 5781). [Hemiptera]. Sep 1988. USA: Gainesville, Florida.
- 5979 JL Stimac (UF 5782). [Coleoptera]. Sep 1988. USA: Gainesville, Florida.
- 5980 JL Stimac (UF 5783). Isolated from soil sample. Rec'd 23 Nov 1998. USA: Alachua, Florida.
- 5981 JL Stimac (UF 5792). *Cylas formicarius elegantulus* [Coleoptera: Curculionidae: Apioninae]. Jan 1990. USA: Homestead, Florida.
- 5982 JL Stimac (UF 5820). *Cylas formicarius elegantulus* [Coleoptera: Curculionidae: Apioninae]. Rec'd 23 Nov 1998. Peru: Carabayllo.
- 5983 JL Stimac (UF 5822). *Premnotryes latithorax* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1998. Peru: Huancayo, Junín.
- 5984 JL Stimac (UF 5823). *Premnotryes latithorax* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1998. Peru: Huamachuco, La Libertad.
- 5985 JL Stimac (UF 5838). [Hymenoptera: subord. Symphyta]. Rec'd 23 Nov 1998. USA: Gainesville, Florida.
- 5986 JL Stimac (UF 5849). *Metamasius callizona* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1998. USA: Gainesville, Florida.
- 5987 JL Stimac (UF 5850). *Oxyops vitiosa* [Orthoptera: Acrididae]. Apr 1994. Australia: Queensland.
- 5988 JL Stimac (UF 5873). *Simyra henrici* [Lepidoptera: Noctuidae]. Apr 1995. USA: Lake Apopka, Florida.
- 5989 JL Stimac (UF 5888). *Apis mellifera* [Hymenoptera: Apidae]. Rec'd 23 Nov 1998. USA: Gainesville, Florida.
- 5991 JL Stimac (UF BEarwig). [Dermaptera]. 1995. USA: Gainesville, Florida.
- 5997 KT Hodge. Adult, *Ortholeptura valida* [Coleoptera: Cerambycidae] in leaf litter. 22 Oct 1998. USA: McDonald Forest, Oak Creek entrance, Benton County, Oregon. Specimen deposited in Oregon State University Herbarium as 67890.
- 6008 BL Parker ← V Gouli (SPT-R-134). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Sep 1998. Russian Federation: Volgograd.
- 6009 BL Parker ← V Gouli (SPT-R-145). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6011 BL Parker ← V Gouli (SPT-R-159). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

- 6013 BL Parker ← V Gouli (SPT-R-162). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6014 BL Parker ← V Gouli (SPT-R-170). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6016 [ERL 418] S Gouli and V Gouli (SP-174). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6019 BL Parker ← V Gouli (SPT-R-184). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Sep 1998. Russian Federation: Volgograd.
- 6027 BL Parker (AT-C-216). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Tree Number 14, Sichuan Province.
- 6039 BL Parker ← V Gouli (SPT-R-148). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6040 BL Parker ← V Gouli (SPT-R-152). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6041 BL Parker ← V Gouli (SPT-R-153). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6042 BL Parker ← V Gouli (SPT-R-158). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6055 BL Parker (SPT-U-250). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6056 BL Parker (SPT-U-251). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6057 BL Parker (SPT-U-253). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Sazagan, Sazagan.
- 6058 BL Parker (SPT-U-254). Adult, [Coleoptera: Scarabaeidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6059 BL Parker (SPT-U-255). Pupa, [Coleoptera: Carabidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6060 BL Parker (SPT-U-259). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6061 BL Parker (SPT-U-261). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6062 BL Parker (SPT-U-262). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6063 BL Parker (SPT-U-263). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6064 BL Parker (SPT-U-264). Adult, [Coleoptera: Tenebrionidae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6065 BL Parker (SPT-U-267). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6066 BL Parker (SPT-U-268). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6067 BL Parker (SPT-U-269). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6069 BL Parker (SPT-U-272). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6070 BL Parker (SPT-U-273). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6072 BL Parker (SPT-U-291). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6073 BL Parker (SPT-U-292). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6074 BL Parker (SPT-U-293). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6075 BL Parker (SPT-U-294). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6076 BL Parker (SPT-U-300). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6077 BL Parker (SPT-U-305). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6078 BL Parker (SPT-U-308). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6079 BL Parker (SPT-U-310). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6083 BL Parker (SPT-U-260). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6086 BL Parker (SPT-2-309/2). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

- 6087 BL Parker (SPT-2-312). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6088 BL Parker (SPT-2-315). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6089 BL Parker (SPT-2-318). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6090 BL Parker (SPT-2-319/2). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6091 BL Parker (SPT-2-321/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6092 BL Parker (SPT-U-323). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6093 BL Parker (SPT-U-326). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: Site c, SW of Samarkand, Mirankul region.
- 6095 BL Parker (SPT-U-335). Adult, [Coleoptera: Coccinellidae]. 17 Jan 1999. Uzbekistan: GPS coordinates - N 39°53.843', E 067°41.643'.
- 6096 BL Parker (SPT-U-338). Adult, [Coleoptera: Tenebrionidae]. Jan 1999. Uzbekistan: GPS coordinates - N 39°26.295', E 067°20.041'.
- 6099 BL Parker (SPT-U-354/2). Adult, [Coleoptera: Carabidae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6100 BJ Hicks (A). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.
- 6101 BJ Hicks (B). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.
- 6109 BL Parker (SPT-U-257). Pupa, [Lepidoptera]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6111 BL Parker (SPT-U-295). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6112 BL Parker (SPT-U-296). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6113 BL Parker (SPT-U-297). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6115 BL Parker (SPT-U-349). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6147 HK Kaya (2). Pupa, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Jan 1999. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.
- 6148 HK Kaya (5). Pupa, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Jan 1999. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.
- 6149 BL Parker (SPT-3-372). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Feb 1999. Syria: Al Kseabiia.
- 6150 SP Wraight (DBM 28° #2 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 28°C. **RESTRICTED ACCESS:** contact Curator.
- 6151 SP Wraight (DBM 28° #3 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 28°C. **RESTRICTED ACCESS:** contact Curator.
- 6152 SP Wraight (DBM 31° #1 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 31°C. **RESTRICTED ACCESS:** contact Curator.
- 6153 SP Wraight (DBM 31° #2 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 31°C. **RESTRICTED ACCESS:** contact Curator.
- 6177 BJ Hicks (1). *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.
- 6178 BJ Hicks (2). *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.
- 6182 FE Vega (EBCL 99013). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6184 FE Vega (EBCL 99018). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 14 Jan 1999. France: Le Calvaire.
- 6186 FE Vega (EBCL 99021). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 10 Dec 1998. France: Chez Moitou.
- 6187 FE Vega (EBCL 99022). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.
- 6189 FE Vega (EBCL 99025). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 22 Feb 1999. France: Arre.
- 6191 FE Vega (EBCL 99028). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: Crèvecoeur.
- 6194 FE Vega (EBCL 99032). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.

- 6195 FE Vega (EBCL 99033). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.
- 6196 FE Vega (EBCL 99034). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6199 FE Vega (EBCL 99038). *Hedya nubiferana* [Lepidoptera: Tortricidae]. 31 Mar 1999. France: Layrac.
- 6201 FE Vega (EBCL 98027). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6205 FE Vega (EBCL 98041). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.
- 6208 FE Vega (EBCL 98053). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6209 FE Vega (EBCL 98054). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6216 AE Hajek (5B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
- 6217 AE Hajek (6B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
- 6228 [RCEF 0039] Rec'd 24 Aug 1999. Romania.
- 6230 [RCEF 0300] [Orthoptera: Acrididae]. 20 Sep 1997. PR China: Anhui.
- 6231 [RCEF 0306] [Orthoptera]. 7 Jan 1998. PR China: Anhui.
- 6232 [RCEF 0418] [Orthoptera: Acrididae]. 20 Jul 1998. PR China: Anhui.
- 6233 [RCEF 0471] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.
- 6234 [RCEF 0498] [Orthoptera: Tettigonioidae]. 27 Nov 1998. PR China: Anhui.
- 6387 TL Dubois (T7 (2) (2)) ← MT Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. May 1998. PR China.
- 6390 TL Dubois (HF 2 c 1). Egg, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on *Populus* sp. 8 Aug 1999. PR China: Anhui.
- 6391 TL Dubois (ST 1 # 1 (1)) ← SM Smith ← SA Teale. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twigs of *Acer* sp. 2 Jul 1997. USA: Laboratory colony, SUNY College of Environmental Science and Forestry, Syracuse, New York. Laboratory colony started from host originally obtained from infested maple wood collected in New York, New York, USA 29 April 1997.
- 6393 TL Dubois (VD 12 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 6404 B Tunali (27). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.
- 6426 B Tunali (28). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey.
- 6444 [ATCC 74250; Mycotech Corporation BB726, GHA] ST Jaronski. Laboratory reisolation from *Locusta migratoria*. Rec'd 3 Mar 2000. Patented, commercialized strain (Mycotrol?, BotaniGard?). **RESTRICTED ACCESS: consult Curator.**
- 6459 [CIAT 044] D Peck. Adult, *Zulia carbonaria* [Hemiptera: Cercopidae]. 4 Aug 1999. Colombia: Santander de Quilichao, Cauca.
- 6471 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.
- 6478 BL Parker (SPT-KZ-375). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS: contact Curator**
- 6483 BL Parker (SPT-KZ-406). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°13.034' E 077°41.315'. **RESTRICTED ACCESS: contact Curator**
- 6499 BL Parker (SPT-KR-452). Adult, [Coleoptera: Buprestidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'. **RESTRICTED ACCESS: contact Curator**
- 6513 DEN Rangel (Inbioter1). *Polistes* sp. [Hymenoptera: Vespidae]. 30 Aug 1986. Brazil: native forest, Itatiba, São Paulo.
- 6514 DEN Rangel (Inbioter2). *Brassolis sophorea* [Lepidoptera: Brassolidae]. 26 Feb 1991. Brazil: coconut palm border, Pinheiros, São Paulo, São Paulo.
- 6526 FE Vega (EBCL 99046). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6527 FE Vega (EBCL 99048). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6528 FE Vega (EBCL 99055). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6529 FE Vega (EBCL 99057). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6530 FE Vega (EBCL 99059). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6531 FE Vega (EBCL 99070). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

- 6532 FE Vega (EBCL 99071). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6552 D Chandler (HRI 342.92). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6553 D Chandler (HRI 347.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6555 D Chandler (HRI 365.92). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6556 D Chandler (HRI 367.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.
- 6557 D Chandler (HRI 373.93). Pupa, [Lepidoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6559 D Chandler (HRI 386.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6560 D Chandler (HRI 397.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6563 D Chandler (HRI 405.94). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6564 D Chandler (HRI 407.95). *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6565 D Chandler (HRI 417.96). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6566 D Chandler (HRI 461.99). [Diptera: Sciaridae]. Rec'd 13 Jul 2000. United Kingdom.
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- 7270 JM Sung (EFCC 6522). [Coleoptera: Carabidae]. 7 Jul 2001. Republic of Korea: Welchul Mt., Jheonnam.

- 7271 JM Sung (EFCC 6878). [Coleoptera: Chrysomelidae]. 11 Jul 2001. Republic of Korea: Hanla Mt., Jeju Province.
- 7272 JM Sung (EFCC 6879). [Coleoptera: Chrysomelidae]. 11 Jul 2001. Republic of Korea: Hanla Mt., Jeju Province.
- 7273 JM Sung (EFCC 7270). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 8 Jul 2001. Nepal.
- 7274 JM Sung (EFCC 7272). [Lepidoptera]. 8 Jul 2001. Nepal.
- 7275 JM Sung (EFCC 8224). [Coleoptera: Cerambycidae]. 8 Sep 2001. Republic of Korea: Chungryang Mt., Gyeongbuk Province.
- 7356 DJ Bruck (IP-36). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 31 Jul 2002. USA: Independence, Oregon.
- 7357 DJ Bruck (IP-57). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Aug 2002. USA: Boring, Oregon.
- 7358 DJ Bruck (IP-62). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.
- 7359 DJ Bruck (IP-63). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.
- 7362 DJ Bruck (IP-94). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7363 DJ Bruck (IP-225). Isolated from soil sample. 19 Aug 2002. USA: Salem, Oregon.
- 7364 DJ Bruck (IP-238). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7365 DJ Bruck (IP-241). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7377 DEN Rangel (DENR 01). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.
- 7378 DEN Rangel (DENR 02). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.
- 7379 DW Roberts (MC-A 181003A). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.
- 7380 DW Roberts (MC-C 181003C). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.
- 7404 DC Steinkraus. Larva, *Enaphalodes rufulus* [Coleoptera: Cerambycidae] from *Quercus rubra* L., northern red oak. 14 May 2003. USA: Ozark National Forest, Franklin County, Arkansas.
- 7464 [CEP 072] C López Lastra. *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Sep 2003. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7465 [CEP 074] C López Lastra. *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.
- 7466 [CEP 075] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.
- 7467 [CEP 077] C López Lastra. *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 24 Feb 2004. Argentina: Los Hornos, Buenos Aires.
- 7468 [CEP 080] C López Lastra. *Kronides* sp. [Hemiptera: Membracidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.
- 7469 [CEP 081] C López Lastra. *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.
- 7470 [CEP 083] C López Lastra. [Coleoptera] on *Eryngium* sp. (Apiaceae). 9 Mar 2004. Argentina: Horco Molle, Tucumán.
- 7471 [CEP 092] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7519 M Shimazu (F-1209). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7520 M Shimazu (F-1210). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7521 M Shimazu (F-1211). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7525 S Keller (727). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7526 S Keller (728). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7533 E Groden (Plate #1). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 02.06.59 W, 133 m elevation.
- 7534 E Groden (Plate #2). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2004. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7540 BJ Cole (C2). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 956. Summer 2004. USA: Mesa County, Colorado.

- 7541 BJ Cole (C29). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 446. Summer 2004. USA: Mesa County, Colorado.
- 7552 I Klingen (NCRI 66/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7553 I Klingen (NCRI 68/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7554 I Klingen (NCRI 91/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7581 [SRCAMB B-25] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Carabidae] Isolated from synnema of *Cordyceps entomorrhiza*. Aug 2001. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-206.
- 7583 [SRCAMB VL-36] V Likhovidov. [Hemiptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-237.
- 7585 [SRCAMB B-38] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-234.
- 7590 [SRCAMB B-174] V Likhovidov ← BA Borisov. [Hemiptera: Cicadellidae]. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-298.
- 7592 [SRCAMB B-205] V Likhovidov (Vg-19 (3ts)) ← BA Borisov. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Oct 1991. Vietnam: environs, Ho Chi Minh City. Field Collection Number F-64.
- 7593 [SRCAMB B-210] V Likhovidov (24/89) ← BA Borisov. Larva, [Lepidoptera]. 1989. Russian Federation: Irkutsk Region. Field Collection Number F-70.
- 7596 [SRCAMB VL-760] V Likhovidov. *Apis mellifera* [Hymenoptera: Apidae]. 20 Aug 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-210.
- 7758 [IMI 012944] *Hypothenemus hampei* [Coleoptera: Scolytidae]. 1926. Sri Lanka. **RESTRICTED ACCESS:** *consult Curator.*
- 7763 [IMI 358840] *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom: England. **RESTRICTED ACCESS:** *consult Curator.*
- 7764 [IMI 386243] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7765 [IMI 386605] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7766 [IMI 386606] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7767 [IMI 386607] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7768 [IMI 387294] Adult, Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom: farm, Suffolk, England. **RESTRICTED ACCESS:** *consult Curator.*
- 7769 [IMI 389521] [Coleoptera: Curculionidae] grain weevil. Rec'd 10 Jun 2005. United Kingdom: sweepings at premises no. 01/070802. **RESTRICTED ACCESS:** *consult Curator.*
- 7770 [IMI 388950] *Ovis aries* [Artiodactyla: Bovidae] Isolated from Suffolk sheepskin washing, sheep 193/iN (neck)/dilution plate 10-2. Rec'd 10 Jun 2005. United Kingdom. First animal trial at Veterinary Laboratories Agency, Addlestone (block 235). **RESTRICTED ACCESS:** *consult Curator.*
- 7771 [IMI 173199] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7772 [IMI 173201] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7773 [IMI 386368] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7774 [IMI 386367] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7775 [IMI 061345] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7776 [CEP 189] C López Lastra ← A Toledo. Adult, male, *Oliarus dimidiatus* [Hemiptera: Cixiidae] on *Oryza sativa* L., rice crop. 9 Mar 2005. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires.
- 7795 [ATCC 74040] Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd Jul 2005. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS:** *constul Curator.*
- 7796 [IMI I93-825] Rec'd 18 Jul 2005. **RESTRICTED ACCESS:** *consult Curator.*
- 7813 [CSIRO FI-0001] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: McKemey, Guyra, New South Wales.

- 7853 [CSIRO FI-0210] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Canberra, Australian Capital Territory.
- 7877 [CSIRO FI-0277] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7878 [CSIRO FI-0278] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7889 [CSIRO FI-0293] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7890 [CSIRO FI-0294] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7891 [CSIRO FI-0296] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7940 JABB of the Carolinas Inc. (HF23). *Musca domestica* [Diptera: Muscidae]. 1997. USA: Dairy farm, Bell, Florida. **RESTRICTED ACCESS:** *contact Curator.*
- 7941 JABB of the Carolinas Inc. (NC2). *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. 1988. USA: Turkey grow out houses, Union, West Virginia. **RESTRICTED ACCESS:** *contact Curator.*
- 7947 NV Meyling (KVL 04-48). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7948 NV Meyling (KVL 04-50). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7949 NV Meyling (KVL 04-52). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7950 NV Meyling (KVL 04-54). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7951 NV Meyling (KVL 04-63). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7952 NV Meyling (KVL 04-69). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7953 NV Meyling (KVL 04-72). Isolated from leaf of *Crataegus monogyna* Jacq., hawthorn. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7954 NV Meyling (KVL 06-01). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7955 LA Lacey (1B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'46" W.
- 7956 LA Lacey (1C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'46" W.
- 7957 LA Lacey (2B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7958 LA Lacey (2C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7959 LA Lacey (2D). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7963 LA Lacey (7). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Mile 400, wooded area, Alaska. 65°30'06" N, 148°45'29" W.
- 7964 LA Lacey (8). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.
- 7965 LA Lacey (8A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.
- 7966 LA Lacey (12A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 2 (Dufenbach), forest soil 13-15, Alaska.
- 7968 LA Lacey (16A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 3 (Green), field soil 25-27, Alaska.
- 7969 LA Lacey. Overwintering larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 7 Mar 2006.
- 7971 BC King (42). Phylum Arthropoda, Class Insecta. 9 Dec 2003. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB079126 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator.*
- 7972 BC King (52). Adult, [Coleoptera] on forest floor. 28 Aug 2004. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB027381 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator.*
- 7977 BC King (74). Pupa, Phylum Arthropoda, Class Insecta. Mar 2005. USA: forest, Renton, Washington. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator.*
- 7978 BC King (77). [Coleoptera: Curculionidae] in loose duff near rocky beach. 19 Apr 2005. Canada: Pacific Spirit Regional Park, Wreck Beach, Vancouver, British Columbia. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator.*
- 7983 [CENARGEN CG 425] *Rhammatocerus schistocercoides* [Orthoptera: Acrididae]. Rec'd 29 Mar 2006. Brazil: Campos Novos dos Parecis, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator.*

- 7984 [ARSEF 8638; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8025 NV Meyling (KVL 03-72). *Liocoris tripustulatus* [Hemiptera: Miridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8026 NV Meyling (KVL 03-81). *Stenodema laevigatum* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8027 NV Meyling (KVL 03-85). *Scolopostethus affinis* [Hemiptera: Lygaeidae] from *Urtica dioica* L., stinging nettle habitat type. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8028 NV Meyling (KVL 03-90). *Anthocoris nemorum* [Hemiptera: Anthocoridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8029 NV Meyling (KVL 03-94). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8030 NV Meyling (KVL 03-118). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8031 NV Meyling (KVL 03-122). *Pegoplata aestiva* [Diptera: Anthomyiidae]. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8032 NV Meyling (KVL 03-129). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from field soil. 18 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8033 NV Meyling (KVL 03-136). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8035 NV Meyling (KVL 03-142). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8036 NV Meyling (KVL 03-148). *Leptopterna dolabrata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 10 Jul 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8037 NV Meyling (KVL 04-32). *Rhynchites aequatus* [Coleoptera: Curculionidae] from *Crataegus* sp., hawthorn habitat type. 30 May 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8038 NV Meyling (KVL 04-33). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8039 NV Meyling (KVL 04-92). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.
- 8040 NV Meyling (KVL 04-93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.
- 8065 [CSIRO FI-0570] *Pterohelaeus darlingensis* [Coleoptera: Tenebrionidae]. 5 Oct 1989. Australia: Jondaryan, Queensland.
- 8066 [CSIRO FI-0571] *Helicoverpa* sp. [Lepidoptera: Noctuidae] on *Medicago sativa* L., lucerne. 24 Jan 1990. Australia: Gatton, Queensland.
- 8076 [CSIRO FI-0697] Rec'd Summer 2006.
- 8077 [CSIRO FI-0701] *Sitona* sp. [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.
- 8078 [CSIRO FI-0703] *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.
- 8079 [CSIRO FI-0705] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 8 Oct 1990. New Zealand: Christchurch, South Island.
- 8189 LA Castrillo (MI-01). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8190 LA Castrillo (MI-02). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8191 LA Castrillo (MI-03). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8192 LA Castrillo (MI-04). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8193 LA Castrillo (MI-05). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8194 LA Castrillo (MI-06). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8195 LA Castrillo (MI-07). Isolated from soil sample, plot 3. May 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8201 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** contact Curator.
- 8202 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** contact Curator.

- 8203 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005.
- 8204 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8205 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.3-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8206 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.3-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8207 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.4-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8208 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.5-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8209 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.5-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8210 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB2.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8211 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB2.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8213 S Entz (FM06-2B). *Melanoplus bivittatus* [Orthoptera: Acrididae]. Aug 2006. Canada: 30 km east of Fort Macleod, Alberta.
- 8237 LA Castrillo (CA1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8238 LA Castrillo (CA6). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8239 LA Castrillo (CD10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8240 LA Castrillo (CE1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8241 LA Castrillo (CE10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8242 LA Castrillo (FA1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8243 LA Castrillo (FB1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8244 LA Castrillo (FC1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8245 LA Castrillo (SFBb1) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8246 LA Castrillo (SFBb2) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8247 LA Castrillo (SFBb7) ← M Filotas. Adult, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8253 BC King (Beetle 1). Acc'd 20 Dec 2006.
- 8255 WG Meikle and G Mercadier (EBCL 05005). *Varroa destructor* [Acari: Varroidae]. 28 Jun 2005. France: Quéribus, Aude.
- 8260 RJ Pereault (bbpci#1). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8261 RJ Pereault (bbpci#2). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8262 RJ Pereault (bbpci#3). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8263 RJ Pereault (bbpci#5). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8271 RJ Pereault (bbsi#11). Isolated from soil sample. Jul 2006. USA: Northport, Michigan.
- 8272 RJ Pereault (bbsi#14). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8273 RJ Pereault (bbsi#17). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8274 RJ Pereault (bbsi#18). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8275 RJ Pereault (bbsi#19). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8276 RJ Pereault (bbsi#20). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8317 N Hudson (NI8). *Lygus lineolaris* [Hemiptera: Miridae] on pigweed. 29 Jul 2002. USA: Washington County, Mississippi. **RESTRICTED ACCESS:** *consult Curator.*
- 8318 N Hudson (SfBb1). *Spissistilus festinus* [Hemiptera: Membracidae] on *Medicago sativa* L., alfalfa. 12 Jul 2004. USA: Fresno County, California.
- 8339 Z Demirbag (KTU-7). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 17 Jul 2006. Turkey: Yomra, Trabzon.
- 8340 Z Demirbag (KTU-8). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.

- 8343 Z Demirbag (KTU-11). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8349 Z Demirbag (KTU-17). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.
- 8354 Z Demirbag (KTU-22). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.
- 8355 Z Demirbag (KTU-23). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Hemsin, Rize.
- 8356 Z Demirbag (KTU-24). *Thaumetopoea pityocampa* [Lepidoptera: Thaumetopoeidae]. 11 Dec 2006. Turkey: Samsun Province.
- 8368 [CEP 001; LPSC 881] AV Toledo. Soil of *Zea mays* L., corn crop. 30 May 2003. Argentina: Partido Magdalena, Buenos Aires.
- 8369 [CEP 002; LPSC 882] AV Toledo. Soil of *Zea mays* L., corn crop. 3 Jul 2003. Argentina: Los Hornos, Buenos Aires.
- 8370 [CEP 137; LPSC 891] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 21 Jul 2004. Argentina: Berazategui, Buenos Aires.
- 8371 [CEP 142; LPSC 894] AV Toledo. Adult, *Pawiloma victima* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 25 Aug 2004. Argentina: Berazategui, Buenos Aires.
- 8372 [CEP 147; LPSC 896] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8373 [CEP 150; LPSC 897] AV Toledo. Adult, *Diabrotica speciosa* [Coleoptera: Chrysomelidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8374 [CEP 151; LPSC 898] AV Toledo. Adult, *Doru lineare* [Dermaptera: Forficulidae] on *Zea mays* L., maize. Apr 2004. Argentina: El Manantial, Tucumán.
- 8383 LA Castrillo ← SL Annis and E Groden (PA2). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8384 LA Castrillo ← SL Annis and E Groden (PA6). Isolated from soil sample. Summer 2007. USA: Lacourse Farm, Parkman, Maine.
- 8385 LA Castrillo ← SL Annis and E Groden (PA20). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8386 LA Castrillo ← SL Annis and E Groden (PA55). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8387 LA Castrillo ← SL Annis and E Groden (PA138). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8388 LA Castrillo ← SL Annis and E Groden (PA151). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8389 LA Castrillo ← SL Annis and E Groden (PA160). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8390 LA Castrillo ← SL Annis and E Groden (PI27). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8391 LA Castrillo ← SL Annis and E Groden (PI46). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8392 LA Castrillo ← SL Annis and E Groden (PI62). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8393 LA Castrillo ← SL Annis and E Groden (PI71). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8394 LA Castrillo ← SL Annis and E Groden (PI94). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8395 LA Castrillo ← SL Annis and E Groden (DM3). Isolated from soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.
- 8396 LA Castrillo ← SL Annis and E Groden (DMA7). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8397 LA Castrillo ← SL Annis and E Groden (DMA11). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8398 LA Castrillo ← SL Annis and E Groden (DMA30). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8399 LA Castrillo ← SL Annis and E Groden (DMA54). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8400 LA Castrillo ← SL Annis and E Groden (DMA57). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8401 LA Castrillo ← SL Annis and E Groden (DMA87). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8402 LA Castrillo ← SL Annis and E Groden (DMA88). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8403 LA Castrillo ← SL Annis and E Groden (AR6). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8404 LA Castrillo ← SL Annis and E Groden (AR7). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8405 LA Castrillo ← SL Annis and E Groden (AR12). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.

- 8406 LA Castrillo ← SL Annis and E Groden (AR16). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8407 LA Castrillo ← SL Annis and E Groden (AR18). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8408 LA Castrillo ← SL Annis and E Groden (AR24). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8409 RM Barakat (P.Bv1). Isolated from soil sample. Nov 2004. The Palestinian Authority: Jenin.
- 8410 RM Barakat (P.Bv2). Isolated from soil sample. Nov 2004. The Palestinian Authority: Jenin.
- 8412 AE Hajek (Q2k953). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2001. USA: Quarantine colony, Ithaca, New York.
- 8413 AE Hajek (ST2). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 14 Jul 1998. USA: Quarantine colony, Syracuse, New York.
- 8414 AE Hajek (WU50). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.
- 8431 Z Demirbag (KTU-25). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait fom soil. 21 Mar 2007. Turkey: Ünye, Ordu.
- 8444 Z Demirbag (KTU-38). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Ulubey, Ordu.
- 8459 [CEP 069; LPSC 883] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Mar 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 8460 [CEP 111] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Apr 2004. Argentina: Berazategui, Buenos Aires.
- 8461 [CEP 138] AV Toledo. Adult, *Heilipodus erythropus* [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8462 [CEP 148] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8463 [CEP 149] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8464 [CEP 175; LPSC 900] AV Toledo. Adult, *Cratomorphus diaphanus* [Coleoptera: Lampyridae] on *Eryngium* sp. (Apiaceae). Nov 2004. Argentina: Mercedes, Corrientes.
- 8465 [CEP 249] AV Toledo. Adult, *Doru lineare* [Dermaptera: Forficulidae] on *Zea mays* L., maize. 4 Dec 2006. Argentina: Chacabuco, Buenos Aires.
- 8475 WC Luz (eco 78). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator.*
- 8493 [CSIRO FI-0016] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 8494 [CSIRO FI-0018] [Coleoptera: Chrysomelidae: Hispinae]. 13 Feb 1980.
- 8520 [CEP 112] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.
- 8521 [CEP 113] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.
- 8522 [CEP 114] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.
- 8523 [CEP 116] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8524 [CEP 117] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8525 [CEP 118] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8526 [CEP 119] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8528 [CEP 139; LPSC 892] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8529 [CEP 140; LPSC 893] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8530 [CEP 141] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8578 [CSIRO FI-0898] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- 8579 [CSIRO FI-0899] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- 8601 DA Sutton (06-270). 55 year-old female, *Homo sapiens* [Primates: Hominidae] Isolated from corneal keratitis. Winter 2006. USA: New Mexico.
- 8602 DA Sutton (07-345). 31 year-old female, *Homo sapiens* [Primates: Hominidae] Isolated from corneal keratitis. 10 Jan 2007. USA: Wisconsin.
- 8635 [CENARGEN CG 1010] I Chapaval Pimentel. Endophyte of *Zea mays* L., corn. Rec'd 18 Sep 2007. Brazil: Paraná. **RESTRICTED ACCESS:** *consult Curator.*

- 8636 [CENARGEN CG 1011] I Chapaval Pimentel. Endophyte of *Zea mays* L., corn. Rec'd 18 Sep 2007. Brazil: Paraná. **RESTRICTED ACCESS:** consult Curator.
- 8637 [CENARGEN CG 882] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8638 [ARSEF 7984; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8661 Z Demirbag (KTU-50). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
- 8663 Z Demirbag (KTU-52). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
- 8664 Z Demirbag (KTU-53). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Erzurum.
- 8666 Z Demirbag (KTU-55). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Askale, Erzurum.
- 8667 Z Demirbag (KTU-56). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8668 Z Demirbag (KTU-57). *Rhynchites baccus* [Coleoptera: Curculionidae]. 7 Jul 2007. Turkey: Gümüşhane.
- 8670 Z Demirbag (KTU-59). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8672 Z Demirbag (KTU-61). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8673 Z Demirbag (KTU-62). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
- 8674 Z Demirbag (KTU-63). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
- 8694 ST Jaronski (GE007). *Calliptamus italicus* [Orthoptera: Catantopidae]. 21 Jul 2005. Republic of Georgia: Sagarejo, Kakheti.
- 8695 ST Jaronski (GE025). [Orthoptera: Acrididae]. 4 Oct 2005. Republic of Georgia: Tbilisi.
- 8697 ST Jaronski (GE050). *Calliptamus italicus* [Orthoptera: Catantopidae]. 22 Feb 2006. Republic of Georgia: Samuxi.
- 8704 RG Hollingsworth (H1). [Orthoptera]. 9 Apr 2001. USA: Commercial plant nursery, Hilo, Hawaii.
- 8705 RG Hollingsworth (H2). [Coleoptera: Curculionidae]. 14 Jul 2003. USA: Laboratory colony, U.S. Pacific Basin Agricultural Research Center, Hilo, Hawaii.
- 8706 RG Hollingsworth (H3). [Hemiptera: Lygaeidae]. 9 Jan 2007. USA: Kalopa Native Forest State Park, Kalopa, Hawaii.
- 8707 RG Hollingsworth (H4). [Diptera]. 3 Jan 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8708 RG Hollingsworth (H5). 3 Jan 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8709 RG Hollingsworth (H6). [Lepidoptera]. 26 Jan 2007. USA: Waiakea Experiment Station, Hilo, Hawaii.
- 8710 RG Hollingsworth (H9). [Hemiptera: Cicadellidae]. 8 Mar 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8711 RG Hollingsworth (H10). [Hemiptera: Cicadellidae]. Mar 2007. USA: Kalopa Native Forest State Park, Kalopa, Hawaii.
- 8712 RG Hollingsworth (H11). [Diptera]. 8 Mar 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8713 RG Hollingsworth (GHA reference). Rec'd 14 Apr 2008. Internal laboratory GHA reference standard used by Robert G. Hollingsworth, USDA ARS, U.S. Pacific Basin Agriculture Research Center, Post-Harvest Tropical Commodities Research Unit, Hilo, Hawaii. **RESTRICTED ACCESS:** it contact Curator.
- 8751 [CSIRO FI-1144] *Austracris guttulosa* [Orthoptera: Acrididae]. 17 Aug 1995. Australia: Clermont, Queensland.
- 8752 [CSIRO FI-1145] *Austracris guttulosa* [Orthoptera: Acrididae]. 17 Aug 1995. Australia: Clermont, Queensland.
- 8753 [CSIRO FI-1150] *Lophytotoma zonalis* [Hymenoptera: Pergidae]. 17 Aug 1995. Australia: Alstonville, New South Wales.
- 8756 [CSIRO FI-1153] *Phlyctinus callosus* [Coleoptera: Curculionidae]. 20 Nov 1995. Australia: Glasshouse, Knowfield, Victoria.
- 8757 [CSIRO FI-1154] *Phlyctinus callosus* [Coleoptera: Curculionidae]. 20 Nov 1995. Australia: Glasshouse, Knowfield, Victoria.
- 8763 [CSIRO FI-1162] *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. May 1996. Australia: Cooma, New South Wales.
- 8771 LA Castrillo (APMI1) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 25 Jun 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8772 LA Castrillo (APMI2) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 25 Jun 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.

- 8773 LA Castrillo (APMI3) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 8 Jul 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8774 LA Castrillo (APMI4) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae]. 19 Jul 2008. USA: Okemos, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8835 [CSIRO FI-1261] [Coleoptera: Chrysomelidae]. 25 May 1998. Australia: Tasmania.
- 8836 [CSIRO FI-1262] [Coleoptera: Chrysomelidae]. 25 May 1998. Australia: Tasmania.
- 8843 [CSIRO FI-1311] *Opodiphthera eucalypti* [Lepidoptera: Saturniidae]. 10 Mar 1999. Australia: Dorrigo, New South Wales.
- 8846 [CSIRO FI-1315] *Locusta migratoria* [Orthoptera: Acrididae]. 4 May 1999. Australia: Mendooran, New South Wales.
- 8853 [CSIRO FI-1348] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 86. Jun 1999. Australia: Condong, New South Wales.
- 8854 [CSIRO FI-1349] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 120. Jun 1999. Australia: Condong, New South Wales.
- 8889 TA Ugine (NI8) or (TPB3). *Lygus lineolaris* [Hemiptera: Miridae] on *Conyza canadensis* (L.) Cronquist, Canadian horseweed. Jul 2002. USA: Washington County, Mississippi.
- 8891 [CSIRO FI-0079] *Danaus plexippus* [Lepidoptera: Danaidae]. 11 Oct 1984. Australia: Queensland.
- 8929 [CEP 317] CP D'Alessandro and C López Lastra. Isolated from soil sample of *Solanum melongena* L., eggplant crop culture. 25 Jun 2008. Argentina: Abasto, La Plata, Buenos Aires.
- 8932 [ERL 499] S Gouli and BL Parker (SP-403). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2000. Kyrgyz Republic.
- 8933 [ERL 677] M Brownbridge (CA-148) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8934 [ERL 678] M Brownbridge (CA-149) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8935 [ERL 679] M Brownbridge (CA-150) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8936 [ERL 680] M Brownbridge (CA-153) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8937 [ERL 681] M Brownbridge (CA-687) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8938 [ERL 682] M Brownbridge (CA-688) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8939 [ERL 683] M Brownbridge (CA-689) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8940 [ERL 684] M Brownbridge (CA-880) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8958 [ERL 650] M Brownbridge (CA-104) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8959 [ERL 651] M Brownbridge (CA-105) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8960 [ERL 652] M Brownbridge (CA-106) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8961 [ERL 653] M Brownbridge (CA-107) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8962 [ERL 654] M Brownbridge (CA-108) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8963 [ERL 655] M Brownbridge (CA-110) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8964 [ERL 656] M Brownbridge (CA-111) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8965 [ERL 658] M Brownbridge (CA-113) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8966 [ERL 659] M Brownbridge (CA-114) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8967 [ERL 660] M Brownbridge (CA-117) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8968 [ERL 661] M Brownbridge (CA-118) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8969 [ERL 662] M Brownbridge (CA-119) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8970 [ERL 663] M Brownbridge (CA-120) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8971 [ERL 664] M Brownbridge (CA-121) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8972 [ERL 665] M Brownbridge (CA-122) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8973 [ERL 666] M Brownbridge (CA-123) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8974 [ERL 667] M Brownbridge (CA-124) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8975 [ERL 668] M Brownbridge (CA-139) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8976 [ERL 669] M Brownbridge (CA-140) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8977 [ERL 670] M Brownbridge (CA-141) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8978 [ERL 671] M Brownbridge (CA-142) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8979 [ERL 672] M Brownbridge (CA-143) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8980 [ERL 673] M Brownbridge (CA-144) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8981 [ERL 674] M Brownbridge (CA-145) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8982 [ERL 675] M Brownbridge (CA-146) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8983 [ERL 676] M Brownbridge (CA-147) and V Gouli. Isolated from soil sample. 2002. USA: California.

- 8990 TA Ugine. Rec'd 8 May 2009. Laboratory isolation. Single spore isolate of patented, commercialized strain (Mycotrol?, BotaniGard?) selected for genomic sequencing.
- 8998 M Pava-Ripoll (Bb UMD-Greenhouse). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 3 Dec 2008. USA: University of Maryland, greenhouse, College Park, Maryland.
- 9178 Rec'd 10 Jun 2009. **RESTRICTED ACCESS:** *consult Curator*.
- 9179 Rec'd 10 Jun 2009. **RESTRICTED ACCESS:** *consult Curator*.
- 9184 [CENICAFÉ Bb 9024] M Pava-Ripoll. *Dryocoetes confusus* [Coleoptera: Scolytidae]. Rec'd 1 Jul 2009. Canada.
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- 10405 G Kyei-Poku (L28A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354233 (ITS).
- 10406 G Kyei-Poku (L30C). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354234 (ITS).
- 10407 G Kyei-Poku (L31A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354235 (ITS).
- 10408 G Kyei-Poku (L33AE). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354236 (ITS).
- 10409 G Kyei-Poku (L34C). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354238 (ITS).
- 10410 G Kyei-Poku (L35C). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354239 (ITS).
- 10411 G Kyei-Poku (L38B). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354240 (ITS).
- 10412 G Kyei-Poku (L41C). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354241 (ITS).
- 10413 G Kyei-Poku (L47A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354242 (ITS).
- 10414 G Kyei-Poku (L48-2A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354243 (ITS).
- 10415 G Kyei-Poku (L49-1AA). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354244 (ITS).
- 10416 G Kyei-Poku (L49-2AA). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354245 (ITS).
- 10417 G Kyei-Poku (L49-2bA). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354246 (ITS).
- 10418 G Kyei-Poku (L51D). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354247 (ITS).
- 10419 G Kyei-Poku (L52A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354248 (ITS).
- 10420 G Kyei-Poku (L57A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354249 (ITS).

- 10421 G Kyei-Poku (L61A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354250 (ITS).
- 10422 G Kyei-Poku (L62A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354251 (ITS).
- 10423 G Kyei-Poku (L63A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354252 (ITS).
- 10424 G Kyei-Poku (L64A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354253 (ITS).
- 10425 G Kyei-Poku (L65B). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354254 (ITS).
- 10426 G Kyei-Poku (L68A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354255 (ITS).
- 10427 G Kyei-Poku (L19C). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354261 (ITS).
- 10428 G Kyei-Poku (L71A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354262 (ITS).
- 10429 G Kyei-Poku (L72B). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354263 (ITS).
- 10430 G Kyei-Poku (L73B). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354264 (ITS).
- 10431 G Kyei-Poku (L76A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354265 (ITS).
- 10432 G Kyei-Poku (S4-C). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354266 (ITS).
- 10433 G Kyei-Poku (B2C). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354256 (ITS).
- 10434 G Kyei-Poku (B4B). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354257 (ITS).
- 10435 G Kyei-Poku (B12B). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354258 (ITS).
- 10436 G Kyei-Poku (B16C). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354259 (ITS).
- 10437 G Kyei-Poku (B22A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354260 (ITS).
- 10438 G Kyei-Poku (W4A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354267 (ITS).
- 10439 G Kyei-Poku (W6A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 May 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354268 (ITS).
- 10440 G Kyei-Poku (LDY20A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444272 (ITS).
- 10441 G Kyei-Poku (LDY24A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10442 G Kyei-Poku (LDY25A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10443 G Kyei-Poku (LDY32A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444273 (ITS).
- 10444 G Kyei-Poku (LDY37A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10445 G Kyei-Poku (LDY42A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10446 G Kyei-Poku (LHY1A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10447 G Kyei-Poku (LHY03A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10448 G Kyei-Poku (LHY4A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10449 G Kyei-Poku (LHY07A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444274 (ITS).
- 10450 G Kyei-Poku (LHY8A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.

- 10451 G Kyei-Poku (LHY10A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444275 (ITS).
- 10452 G Kyei-Poku (LHY11A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10453 G Kyei-Poku (LHY12A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10454 G Kyei-Poku (LHY13A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10455 G Kyei-Poku (LHY14A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10456 G Kyei-Poku (LHY15A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10457 G Kyei-Poku (LHY16A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444276 (ITS).
- 10458 G Kyei-Poku (LHY17A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444277 (ITS).
- 10459 G Kyei-Poku (LHY18A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10460 G Kyei-Poku (LHY19A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444278 (ITS).
- 10461 G Kyei-Poku (LHY21A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10462 G Kyei-Poku (LHY22A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444279 (ITS).
- 10463 G Kyei-Poku (LHY44A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10464 G Kyei-Poku (LHY47A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10465 G Kyei-Poku (LHY48A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444280 (ITS).
- 10466 G Kyei-Poku (LHY49A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444281 (ITS).
- 10467 G Kyei-Poku (SY07A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 9 Jul 2009. Canada: Sarnia, Ontario.
- 10468 G Kyei-Poku (SY16A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 9 Jul 2009. Canada: Sarnia, Ontario.
- 10471 MB Bondera. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 2010. USA: Kanalani Ohana Farm, Honaunau, Hawaii. 1600 ft elevation.
- 10478 DW Roberts (DWR 306). Isolated from soil sample SS 0286. 30 May 2006. USA: Coronado National Forest, Cochise County, Arizona. N 31 34.091, W 110 33.364.
- 10479 DW Roberts (DWR 359). Isolated from soil sample SS 0767. 31 Jul 2007. USA: south of Watford City, McKenzie County, North Dakota. N 47 12.720, W 103 13.889.
- 10481 DW Roberts (DWR 361). Isolated from soil sample SS 1028. 20 Aug 2007. USA: Gila County, Arizona. N 33 26.605, W 110 48.985.
- 10482 DW Roberts (DWR 362). Isolated from soil sample SS 1071. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48 54.539, W 100 59.819.
- 10483 DW Roberts (DWR 363). Isolated from soil sample SS 1076. 3 Aug 2007. USA: Lincoln County, Nebraska. N 40 54.293, W 100 29.507.
- 10484 DW Roberts (DWR 370). Isolated from soil sample SS 1086. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8735, W 101.3013.
- 10485 DW Roberts (DWR 371). Isolated from soil sample SS 1079. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9663, W 100.67.
- 10486 DW Roberts (DWR 372). Isolated from soil sample SS 1110. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.611, W 100.4946.
- 10487 DW Roberts (DWR 373). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.
- 10488 DW Roberts (DWR 374). Isolated from soil sample SS 1062. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.2784, W 100.777.
- 10489 DW Roberts (DWR 375). Isolated from soil sample SS 1063. 2 Aug 2007. USA: Renville County, North Dakota. N 48.4681, W 101.1246.
- 10490 DW Roberts (DWR 394). Isolated from soil sample SS 0644. Summer 2007. USA: Dewey County, South Dakota. N 45.1538, W 100.38865.
- 10491 DW Roberts (DWR 395). Isolated from soil sample SS 0652. Summer 2007. USA: Dewey County, South Dakota. N 44.971698, W 100.51904.
- 10493 DW Roberts (DWR 397). Isolated from soil sample SS 0628. Summer 2007. USA: Dewey County, South Dakota. N 45.153751, W 100.3886.
- 10494 DW Roberts (DWR 398). Isolated from soil sample SS 0638. Summer 2007. USA: Corson County, South Dakota. N 45.51607, W 100.56664.

- 10495 DW Roberts (DWR 399). Isolated from soil sample SS 0629. Summer 2007. USA: Dewey County, South Dakota. N 44.949862, W 100.65178.
- 10496 DW Roberts (DWR 400). Isolated from soil sample SS 0678. Summer 2007. USA: Billings County, North Dakota. N 46.86831, W 103.4688.
- 10497 DW Roberts (DWR 401). Isolated from soil sample SS 0684. 6 Aug 2007. USA: Morton County, North Dakota. N 46.4003, W 101.04416.
- 10498 DW Roberts (DWR 402). Isolated from soil sample SS 0690. Summer 2007. USA: Billings County, North Dakota. N 46.77253, W 103.45627.
- 10500 DW Roberts (DWR 404). Isolated from soil sample SS 0767. 31 Jul 2007. USA: Billings County, North Dakota. N 47.21201, W 103.23149.
- 10501 DW Roberts (DWR 405). Isolated from soil sample SS 0632. Summer 2007. USA: Dewey County, South Dakota. N 45.320386, W 100.44231.
- 10502 DW Roberts (DWR 406). Isolated from soil sample SS 0635. Summer 2007. USA: Dewey County, South Dakota. N 44.863441, W 101.0561.
- 10503 DW Roberts (DWR 407). Isolated from soil sample SS 0796. 31 Jul 2007. USA: Billings County, North Dakota. N 47.109542, W 103.66511.
- 10504 DW Roberts (DWR 408). Isolated from soil sample SS 0765. 2 Aug 2007. USA: Billings County, North Dakota. N 47.07659, W 103.39664.
- 10505 DW Roberts (DWR 409). Isolated from soil sample SS 0494. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.243, W 111 45.517.
- 10506 DW Roberts (DWR 410). Isolated from soil sample SS 0491. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.243, W 111 45.517.
- 10507 DW Roberts (DWR 411). Isolated from soil sample SS 0488. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.243, W 111 45.517.
- 10508 DW Roberts (DWR 412). Isolated from soil sample SS 0670. 30 Jul 2007. USA: Billings County, North Dakota. N 47.051717, W 103.60519.
- 10509 DW Roberts (DWR 413). Isolated from soil sample SS 0478. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.193, W 111 45.981.
- 10510 DW Roberts (DWR 414). Isolated from soil sample SS 0486. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.243, W 111 45.517.
- 10511 DW Roberts (DWR 415). Isolated from soil sample SS 0865. Summer 2007. USA: Billings County, North Dakota. N 47.268897, W 103.24202.
- 10512 DW Roberts (DWR 416). Isolated from soil sample SS 0910. 9 Aug 2007. USA: Morton County, North Dakota. N 46.67807, W 101.51465.
- 10513 DW Roberts (DWR 417). Isolated from soil sample SS 0720. Summer 2007. USA: Billings County, North Dakota. N 46.75988, W 103.57521.
- 10514 DW Roberts (DWR 418). Isolated from soil sample SS 0768. 7 Aug 2007. USA: Morton County, North Dakota. N 46.77477, W 101.15229.
- 10515 DW Roberts (DWR 419). Isolated from soil sample SS 0492. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.243, W 111 45.517.
- 10516 DW Roberts (DWR 420). Isolated from soil sample SS 0485. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.216, W 111 45.585.
- 10517 DW Roberts (DWR 421). Isolated from soil sample SS 0769. Summer 2007. USA: Billings County, North Dakota. N 46.66139, W 103.47018.
- 10518 DW Roberts (DWR 422). Isolated from soil sample SS 0962. 6 Aug 2007. USA: Perkins County, South Dakota. N 45.177358, W 102.03125.
- 10519 DW Roberts (DWR 423). Isolated from soil sample SS 0823. 6 Aug 2007. USA: McKenzie County, North Dakota. N 47.797762, W 103.98194.
- 10520 DW Roberts (DWR 424). Isolated from soil sample SS 0819. Summer 2007. USA: McKenzie County, North Dakota. N 47.545125, W 103.59352.
- 10521 DW Roberts (DWR 425). Isolated from soil sample SS 0812. Summer 2007. USA: Golden Valley County, North Dakota. N 47.265883, W 103.77746.
- 10522 DW Roberts (DWR 426). Isolated from soil sample SS 0944. 7 Aug 2007. USA: Corson County, South Dakota. N 45.891121, W 101.5352.
- 10523 DW Roberts (DWR 427). Isolated from soil sample SS 0900. Summer 2007. USA: McKenzie County, North Dakota. N 47.348497, W 103.59604.
- 10524 DW Roberts (DWR 428). Isolated from soil sample SS 0878. Summer 2007. USA: McKenzie County, North Dakota. N 47.63086, W 103.15056.
- 10525 DW Roberts (DWR 429). Isolated from soil sample SS 0869. Summer 2007. USA: McKenzie County, North Dakota. N 47.612516, W 103.28023.
- 10526 DW Roberts (DWR 430). Isolated from soil sample SS 0945. 7 Aug 2007. USA: Corson County, South Dakota. N 45.589481, W 100.61039.
- 10527 DW Roberts (DWR 431). Isolated from soil sample SS 0915. Summer 2007. USA: Billings County, North Dakota. N 47.03767, W 103.1193.
- 10528 DW Roberts (DWR 432). Isolated from soil sample SS 0885. 8 Aug 2007. USA: McKenzie County, North Dakota. N 47.350443, W 103.15377.
- 10529 DW Roberts (DWR 433). Isolated from soil sample SS 0693. 31 Jul 2007. USA: Bowman County, North Dakota. N 46.15062, W 103.3289.
- 10530 DW Roberts (DWR 434). Isolated from soil sample SS 0712. 31 Jul 2007. USA: Billings County, North Dakota. N 47.31271, W 103.48337.
- 10531 DW Roberts (DWR 435). Isolated from soil sample SS 1154. 28 Sep 2007. USA: Gila County, Arizona. N 33.02332, W 110.73669.

- 10532 DW Roberts (DWR 436). Isolated from soil sample SS 1005. 7 Aug 2007. USA: Perkins County, South Dakota. N 45.877845, W 102.5491.
- 10533 DW Roberts (DWR 437). Isolated from soil sample SS 1189. 28 Sep 2007. USA: Yavapai County, Arizona. N 34.59204, W 112.60103.
- 10534 DW Roberts (DWR 438). Isolated from soil sample SS 1184. 28 Sep 2007. USA: Yavapai County, Arizona. N 34.58035, W 112.61473.
- 10535 DW Roberts (DWR 439). Isolated from soil sample SS 1163. 28 Sep 2007. USA: Bear Flat Road, Gila County, Arizona. N 34.287, W 111.06986.
- 10536 DW Roberts (DWR 440). Isolated from soil sample SS 1096. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.966, W 100.901.
- 10537 DW Roberts (DWR 441). Isolated from soil sample SS 1074. Summer 2007. USA: McHenry County, North Dakota. N 48.589, W 100.6579.
- 10538 DW Roberts (DWR 442). Isolated from soil sample SS 1067. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.3978, W 100.4794.
- 10539 DW Roberts (DWR 443). Isolated from soil sample SS 1118. 4 Sep 2007. USA: Coconino County, Arizona. N 35.0582, W 111.71911.
- 10540 DW Roberts (DWR 444). Isolated from soil sample SS 1181. 28 Sep 2007. USA: Yavapai County, Arizona. N 34.57351, W 112.62223.
- 10541 DW Roberts (DWR 445). Isolated from soil sample SS 1161. 21 Sep 2007. USA: Gila County, Arizona. N 34.28073, W 111.13291.
- 10542 DW Roberts (DWR 466). Isolated from soil sample SS 1092. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.82966, W 100.59928.
- 10543 DW Roberts (DWR 467). Isolated from soil sample SS 0778. 30 Jul 2007. USA: McKenzie County, North Dakota. N 47.500573, W 103.4193.
- 10544 DW Roberts (DWR 468). Isolated from soil sample SS 0547. Summer 2007. USA: Yavapai County, Arizona. N 35.385905, W 112.99277.
- 10545 DW Roberts (DWR 469). Isolated from soil sample SS 0593. Summer 2007. USA: Navajo County, Arizona. N 35.625871, W 110.48035.
- 10546 DW Roberts (DWR 474). Isolated from soil sample SS 0826. 7 Aug 2007. USA: McKenzie County, North Dakota. N 47.44546, W 103.69581.
- 10548 DW Roberts (DWR 476). Isolated from soil sample SS 0930. 6 Aug 2007. USA: Corson County, South Dakota. N 45.486297, W 100.59808.
- 10549 DW Roberts (DWR 477). Isolated from soil sample SS 0879. Summer 2007. USA: McKenzie County, North Dakota. N 47.583275, W 103.2732.
- 10550 DW Roberts (DWR 481). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.
- 10551 DW Roberts (DWR 482). Isolated from soil sample SS 1277. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.126, W 111 49.341.
- 10552 DW Roberts (DWR 483). Isolated from soil sample SS 1278. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.124, W 111 49.362.
- 10553 DW Roberts (DWR 486). Isolated from soil sample SS 1295. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 42 00.604, W 113 18.650.
- 10554 DW Roberts (DWR 487). Isolated from soil sample SS 1224. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40 35.080, W 109 20.387.
- 10555 DW Roberts (DWR 488). Isolated from soil sample SS 1275. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.117, W 111 49.361.
- 10556 DW Roberts (DWR 489). Isolated from soil sample SS 1298. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 41 57.562, W 111 48.951.
- 10557 DW Roberts (DWR 490). Isolated from soil sample SS 1301. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 42 06.412, W 112 03.100.
- 10558 DW Roberts (DWR 491). Isolated from soil sample SS 1302. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 41 56.358, W 113 28.221.
- 10559 DW Roberts (DWR 492). Isolated from soil sample SS 1217. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40 34.739, W 109 28.564.
- 10560 DW Roberts (DWR 493). Isolated from soil sample SS 1185. 28 Sep 2008. USA: Yavapai County, Arizona. N 34.57777, W 112.61894.
- 10561 DW Roberts (DWR 494). Isolated from soil sample SS 0811. 31 Jul 2008. USA: McKenzie County, North Dakota. N 47.460398, W 104.04025.
- 10562 DW Roberts (DWR 495). Isolated from soil sample SS 1220. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40 35.080, W 109 20.387.
- 10563 DW Roberts (DWR 496). Isolated from soil sample SS 1262. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40 09.941, W 110 21.629.
- 10564 DW Roberts (DWR 506). Isolated from soil sample SS 1341. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 10565 DW Roberts (DWR 511). Isolated from soil sample SS 1378. 8 Aug 2008. USA: Loup County, Nebraska.
- 10566 DW Roberts (DWR 527). Isolated from soil sample SS 1317. 16 Jul 2008. USA: Whitman County, Washington. N 46.721226, W 117.46482.
- 10567 DW Roberts (DWR 528). Isolated from soil sample SS 1399. 8 Aug 2008. USA: Blaine County, Nebraska.
- 10568 DW Roberts (DWR 530). Isolated from soil sample SS 2242. 4 Jun 2008. USA: Woods County, Oklahoma. N 36.972388, W 99.316288.
- 10569 DW Roberts (DWR 531). Isolated from soil sample SS 2271. 2 Jun 2008. USA: Jefferson County, Oklahoma. N 34.245708, W 97.956513.

- 10570 DW Roberts (DWR 532). Isolated from soil sample SS 2353. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10571 DW Roberts (DWR 533). Isolated from soil sample SS 2360. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10572 DW Roberts (DWR 536). Isolated from soil sample SS 1307. Jul 2008. USA: Asotin County, Washington. N 46.191245, W 116.99948.
- 10573 DW Roberts (DWR 537). Isolated from soil sample SS 1357. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 10574 DW Roberts (DWR 538). Isolated from soil sample SS 1425. 8 Aug 2008. USA: Brown County, Nebraska.
- 10576 DW Roberts (DWR 540). Isolated from soil sample SS 3358. 24 Jul 2008. USA: Oregon.
- 10577 DW Roberts (DWR 548). Isolated from soil sample SS 3541. 28 May 2008. USA: Kit Carson County, Colorado. N 39.31545, W 102.70588.
- 10578 DW Roberts (DWR 549). Isolated from soil sample SS 4262. 20 Aug 2008. USA: Deuel County, Nebraska. N 41.03371, W 102.6024.
- 10579 DW Roberts (DWR 551). Isolated from soil sample SS 2283. 5 Jun 2008. USA: Ellis County, Oklahoma. N 36.435105, W 99.964403.
- 10580 DW Roberts (DWR 552). Isolated from soil sample SS 2359. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10581 DW Roberts (DWR 553). Isolated from soil sample SS 2273. 3 Jun 2008. USA: Caddo County, Oklahoma. N 34.898023, W 98.550442.
- 10582 DW Roberts (DWR 554). Isolated from soil sample SS 4440. 21 May 2008. USA: Dickens County, Texas. N 33.39828, W 100.91329.
- 10583 DW Roberts (DWR 555). Isolated from soil sample SS 1431. 9 Aug 2008. USA: Rock County, Nebraska.
- 10584 DW Roberts (DWR 556). Isolated from soil sample SS 2259. 3 Jun 2008. USA: Kiowa County, Oklahoma. N 34.725266, W 98.852702.
- 10585 DW Roberts (DWR 557). Isolated from soil sample SS 2260. 3 Jun 2008. USA: Greer County, Oklahoma. N 34.871935, W 99.695897.
- 10586 DW Roberts (DWR 558). Isolated from soil sample SS 4322. 5 Jun 2008. USA: Golden Valley County, North Dakota. N 47.088252, W 103.79332.
- 10587 DW Roberts (DWR 559). Isolated from soil sample SS 2231. 5 Jun 2008. USA: Harper County, Oklahoma. N 36.773521, W 99.365385.
- 10588 DW Roberts (DWR 560). Isolated from soil sample SS 2346. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10589 DW Roberts (DWR 561). Isolated from soil sample SS 2347. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10590 DW Roberts (DWR 562). Isolated from soil sample SS 2311. 22 Aug 2008. USA: Graham County, Arizona. N 33.40081, W 109.69847.
- 10591 DW Roberts (DWR 563). Isolated from soil sample SS 2357. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10592 DW Roberts (DWR 564). Isolated from soil sample SS 2351. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10593 DW Roberts (DWR 565). Isolated from soil sample SS 2356. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10595 DW Roberts (DWR 567). Isolated from soil sample SS 3427. 5 Aug 2008. USA: San Bernardino County, California. N 34.30251, W 117.46284.
- 10596 DW Roberts (DWR 568). Isolated from soil sample SS 3507. 30 May 2008. USA: Washington County, Colorado. N 40.002138, W 103.13264.
- 10597 DW Roberts (DWR 569). Isolated from soil sample SS 3551. 2 Jun 2008. USA: Washington County, Colorado. N 40.221332, W 103.15367.
- 10599 DW Roberts (DWR 571). Isolated from soil sample SS 4263. 20 Aug 2008. USA: Keith County, Nebraska. N 41.09111, W 102.00802.
- 10600 DW Roberts (DWR 583). Isolated from soil sample SS 4349. 4 Jun 2008. USA: Billings County, North Dakota. N 47.240635, W 103.34748.
- 10601 DW Roberts (DWR 584). Isolated from soil sample SS 4356. 4 Jun 2008. USA: Billings County, North Dakota. N 47.088885, W 103.53817.
- 10602 DW Roberts (DWR 585). Isolated from soil sample SS 4429. 13 May 2008. USA: Knox County, Texas. N 33.53484, W 99.89712.
- 10603 DW Roberts (DWR 586). Isolated from soil sample SS 1584. 13 Aug 2008. USA: Grant County, Nebraska. N 41.945652, W 101.71662.
- 10604 DW Roberts (DWR 606). Isolated from soil sample SS 2434. 22 Aug 2008. USA: Graham County, Arizona. N 33.42539, W 109.71923.
- 10605 DW Roberts (DWR 607). Isolated from soil sample SS 3224. 14 Aug 2008. USA: Custer County, Nebraska. N 41.1947, W 99.3728.
- 10606 DW Roberts (DWR 608). Isolated from soil sample SS 3233. 14 Aug 2008. USA: Phelps County, Nebraska. N 40.5981, W 99.2551.
- 10607 DW Roberts (DWR 609). Isolated from soil sample SS 3243. 11 Aug 2008. USA: Harlan County, Nebraska. N 40.3289, W 99.53.
- 10609 DW Roberts (DWR 611). Isolated from soil sample SS 5200. 17 Jun 2008. USA: Mellette County, South Dakota. N 43.6647, W 101.02039.
- 10610 DW Roberts (DWR 612). Isolated from soil sample SS 3333. 30 Jul 2008. USA: Texas.
- 10611 DW Roberts (DWR 613). Isolated from soil sample SS 3393. 6 Aug 2008. USA: Oregon.

- 10612 DW Roberts (DWR 614). Isolated from soil sample SS 2210. 5 Jun 2008. USA: Woodward County, Oklahoma. N 36.432163, W 99.072727.
- 10613 DW Roberts (DWR 615). Isolated from soil sample SS 3535. 28 May 2008. USA: Kit Carson County, Colorado. N 39.09027, W 102.70717.
- 10614 DW Roberts (DWR 616). Isolated from soil sample SS 2439. 22 Aug 2008. USA: Graham County, Arizona. N 33.42539, W 109.71923.
- 10615 DW Roberts (DWR 617). Isolated from soil sample SS 2443. 22 Aug 2008. USA: Graham County, Arizona. N 33.42539, W 109.71923.
- 10617 DW Roberts (DWR 622). Isolated from soil sample SS 3475. 14 Aug 2008. USA: San Luis Obispo, California. N 35.05143, W 120.45499.
- 10619 DW Roberts (DWR 624). Isolated from soil sample SS 3559. 3 Jun 2008. USA: Logan County, Colorado. N 40.509203, W 103.1312.
- 10620 DW Roberts (DWR 625). Isolated from soil sample SS 3565. 3 Jun 2008. USA: Logan County, Colorado. N 40.66237, W 102.95299.
- 10621 DW Roberts (DWR 626). Isolated from soil sample SS 3575. 10 Jun 2008. USA: Sedgwick County, Colorado. N 40.982538, W 102.32679.
- 10622 DW Roberts (DWR 627). Isolated from soil sample SS 3600. 9 Jun 2008. USA: Weld County, Colorado. N 40.854736, W 103.9778.
- 10624 DW Roberts (DWR 629). Isolated from soil sample SS 4456. 16 May 2008. USA: Haskell County, Texas. N 33.13072, W 99.89614.
- 10625 DW Roberts (DWR 630). Isolated from soil sample SS 4211. 9 Jul 2008. USA: Sherman County, Oregon. N 45.58028, W 120.44935.
- 10626 DW Roberts (DWR 631). Isolated from soil sample SS 4811. 12 Aug 2008. USA: Fremont County, Wyoming. N 42.366661, W 108.90036.
- 10627 DW Roberts (DWR 644). Isolated from soil sample SS 3528. 27 May 2008. USA: Kit Carson County, Colorado. N 39.18283, W 102.5771.
- 10629 DW Roberts (DWR 646). Isolated from soil sample SS 1634. 14 Aug 2008. USA: Valley County, Nebraska. N 41.4664, W 98.9051.
- 10631 DW Roberts (DWR 648). Isolated from soil sample SS 5170. 11 Jul 2008. USA: Scotts Bluff County, Nebraska. N 41.992725, W 103.63868.
- 10632 DW Roberts (DWR 649). Isolated from soil sample SS 3375. 6 Aug 2008. USA: Grant County, Oregon.
- 10633 DW Roberts (DWR 650). Isolated from soil sample SS 3191. 13 Aug 2008. USA: Stevens County, Washington. N 48.4423, W 118.1705.
- 10636 DW Roberts (DWR 653). Isolated from soil sample SS 1309. Jul 2008. USA: Asotin County, Washington. N 46.109803, W 116.95416.
- 10637 DW Roberts (DWR 654). Isolated from soil sample SS 1547. 16 Jun 2008. USA: Adams County, Washington. N 46.88363, W 119.30783.
- 10638 DW Roberts (DWR 661). Isolated from soil sample SS 5232. 19 Jun 2008. USA: Brule County, South Dakota. N 43.6777, W 98.8937.
- 10639 DW Roberts (DWR 662). Isolated from soil sample SS 3235. 5 Aug 2008. USA: Phelps County, Nebraska. N 40.3653, W 99.3915.
- 10640 DW Roberts (DWR 663). Isolated from soil sample SS 5239. 19 Jun 2008. USA: Brule County, South Dakota. N 43.80289, W 99.064.
- 10641 DW Roberts (DWR 664). Isolated from soil sample SS 2569. 26 Aug 2008. USA: Empire Ranch Road, Pima County, Arizona. N 31.792555, W 110.6357.
- 10642 DW Roberts (DWR 665). Isolated from soil sample SS 3185. 13 Aug 2008. USA: Franklin County, Washington. N 46.320092, W 118.85859.
- 10643 DW Roberts (DWR 666). Isolated from soil sample SS 3194. 13 Aug 2008. USA: Stevens County, Washington. N 48.2977, W 117.9301.
- 10645 DW Roberts (DWR 668). Isolated from soil sample SS 4099. 25 Jun 2008. USA: Logan County, Colorado. N 40.863965, W 102.9999.
- 10647 DW Roberts (DWR 672). Isolated from soil sample SS 3662. 10 Jun 2008. USA: Lincoln County, Colorado. N 39.33001, W 103.45406.
- 10649 DW Roberts (DWR 674). Isolated from soil sample SS 7909. 11 Aug 2008. USA: Phillips County, Montana.
- 10651 DW Roberts (DWR 676). Isolated from soil sample SS 3707. 23 Jun 2008. USA: Adams County, Colorado. N 39.95864, N 103.74349.
- 10652 DW Roberts (DWR 677). Isolated from soil sample SS 3704. 23 Jun 2008. USA: Adams County, Colorado. N 39.8402, W 103.99891.
- 10653 DW Roberts (DWR 678). Isolated from soil sample SS 3689. 17 Jun 2008. USA: Arapahoe County, Colorado. N 39.72609, W 103.92677.
- 10654 DW Roberts (DWR 679). Isolated from soil sample SS 5258. 11 Jun 2008. USA: Tripp County, South Dakota. N 43.260825, W 100.18606.
- 10655 DW Roberts (DWR 680). Isolated from soil sample SS 7940. 5 Aug 2008. USA: Big Horn County, Montana. N 45.1864, W 107.5797.
- 10656 DW Roberts (DWR 681). Isolated from soil sample SS 7934. 4 Aug 2008. USA: Big Horn County, Montana. N 45.3669, W 107.6502.
- 10657 DW Roberts (DWR 682). Isolated from soil sample SS 3671. 10 Jun 2008. USA: Lincoln County, Colorado. N 39.49259, W 103.67785.
- 10659 DW Roberts (DWR 684). Isolated from soil sample SS 3843. 3 Jun 2008. USA: Lincoln County, Colorado. N 39.44469, W 103.26635.
- 10660 DW Roberts (DWR 685). Isolated from soil sample SS 3771. 29 May 2008. USA: Washington County, Colorado. N 39.815655, W 102.89567.

- 10661 DW Roberts (DWR 686). Isolated from soil sample SS 3812. 10 Jul 2008. USA: Larimer County, Colorado. N 40.795716, W 104.97994.
- 10662 DW Roberts (DWR 687). Isolated from soil sample SS 3830. 2 Jun 2008. USA: Lincoln County, Colorado. N 39.19777, W 103.26757.
- 10663 DW Roberts (DWR 688). Isolated from soil sample SS 3809. 10 Jul 2008. USA: Larimer County, Colorado. N 40.70863, W 105.1732.
- 10664 DW Roberts (DWR 689). Isolated from soil sample SS 3491. 12 Aug 2008. USA: Mariposa County, California. N 37.48857, W 120.04285.
- 10665 DW Roberts (DWR 690). Isolated from soil sample SS 3759. 26 May 2008. USA: Washington County, Colorado. N 39.709793, W 103.40692.
- 10666 DW Roberts (DWR 691). Isolated from soil sample SS 4112. 26 Jun 2008. USA: Morgan County, Colorado. N 40.23085, W 103.70207.
- 10669 DW Roberts (DWR 700). Isolated from soil sample SS 3686. 11 Jun 2008. USA: Elbert County, Colorado. N 39.27289, W 104.08584.
- 10673 DW Roberts (DWR 704). Isolated from soil sample SS 3653. 6 Jun 2008. USA: Lincoln County, Colorado. N 39.24425, W 103.4725.
- 10675 DW Roberts (DWR 706). Isolated from soil sample SS 3790. 10 Jul 2008. USA: Platte County, Wyoming. N 41.928572, W 104.80179.
- 10678 DW Roberts (DWR 709). Isolated from soil sample SS 3806. 28 May 2008. USA: Washington County, Colorado. N 39.856583, W 103.59242.
- 10679 DW Roberts (DWR 710). Isolated from soil sample SS 4504. 8 Jul 2008. USA: Lipscomb County, Texas. N 36.44876, W 100.40482.
- 10680 DW Roberts (DWR 711). Isolated from soil sample SS 5342. 1 Jul 2008. USA: Jackson County, South Dakota. N 43.7146, W 101.8374.
- 10681 DW Roberts (DWR 717). Isolated from soil sample SS 4500. 1 Jul 2008. USA: Wheeler County, Texas. N 35.24113, W 100.25104.
- 10682 DW Roberts (DWR 718). Isolated from soil sample SS 4537. 4 Jun 2008. USA: Callahan County, Texas. N 32.50292, W 99.54568.
- 10683 DW Roberts (DWR 719). Isolated from soil sample SS 4536. 4 Jun 2008. USA: Callahan County, Texas. N 32.23482, W 99.53926.
- 10684 DW Roberts (DWR 720). Isolated from soil sample SS 4581. 5 Jun 2008. USA: Mitchell County, Texas. N 32.20298, W 100.75227.
- 10685 DW Roberts (DWR 721). Isolated from soil sample SS 4582. 5 Jun 2008. USA: Mitchell County, Texas. N 32.12907, W 100.98704.
- 10686 DW Roberts (DWR 722). Isolated from soil sample SS 4591. 11 Jun 2008. USA: Hockley County, Texas. N 33.78631, W 102.44922.
- 10687 DW Roberts (DWR 723). Isolated from soil sample SS 4544. 5 Jun 2008. USA: Sterling County, Texas. N 31.57424, W 101.07631.
- 10689 DW Roberts (DWR 725). Isolated from soil sample SS 4568. 24 Jun 2008. USA: Martin County, Texas. N 32.18353, W 101.78448.
- 10691 DW Roberts (DWR 727). Isolated from soil sample SS 4506. 30 Jun 2008. USA: Gray County, Texas. N 35.4092, W 101.04444.
- 10692 DW Roberts (DWR 728). Isolated from soil sample SS 4509. 30 Jun 2008. USA: Gray County, Texas. N 35.41499, W 100.60719.
- 10693 DW Roberts (DWR 729). Isolated from soil sample SS 4547. 10 Jun 2008. USA: Borden County, Texas. N 32.94538, W 101.44147.
- 10694 DW Roberts (DWR 730). Isolated from soil sample SS 4566. 24 Jun 2008. USA: Martin County, Texas. N 32.22391, W 102.08804.
- 10695 DW Roberts (DWR 731). Isolated from soil sample SS 4553. 12 Jun 2008. USA: Childress County, Texas. N 34.67436, W 100.05662.
- 10696 DW Roberts (DWR 732). Isolated from soil sample SS 4524. 29 May 2008. USA: Cottle County, Texas. N 33.9193, W 100.48551.
- 10697 DW Roberts (DWR 733). Isolated from soil sample SS 4526. 3 Jun 2008. USA: Concho County, Texas. N 31.23575, W 99.72141.
- 10698 DW Roberts (DWR 734). Isolated from soil sample SS 4578. 5 Jun 2008. USA: Stonewall County, Texas. N 33.20852, W 100.46127.
- 10699 DW Roberts (DWR 735). Isolated from soil sample SS 6387. Jul 2008. USA: Cache County, Utah. N 41.5954, W 111.4845.
- 10700 DW Roberts (DWR 736). Isolated from soil sample SS 7968. 10 Jun 2008. USA: Montana.
- 10702 DW Roberts (DWR 738). Isolated from soil sample SS 5333. 1 Jul 2008. USA: Jackson County, South Dakota. N 43.7273, W 101.7226.
- 10704 DW Roberts (DWR 740). Isolated from soil sample SS 7981. 29 Jul 2008. USA: Montana.
- 10705 DW Roberts (DWR 743). Isolated from soil sample SS 3892. 10 Jul 2008. USA: Weld County, Colorado. N 40.98589, W 104.77114.
- 10706 DW Roberts (DWR 744). Isolated from soil sample SS 3939. 10 Jul 2008. USA: Park County, Colorado. N 39.01179, W 105.78414.
- 10708 DW Roberts (DWR 746). Isolated from soil sample SS 3900. 3 Jul 2008. USA: Adams County, Colorado. N 39.88498, W 104.18786.
- 10710 DW Roberts (DWR 748). Isolated from soil sample SS 4026. 16 Jun 2008. USA: El Paso County, Colorado. N 39.1076, W 104.18177.
- 10711 DW Roberts (DWR 749). Isolated from soil sample SS 4031. 16 Jun 2008. USA: El Paso County, Colorado. N 39.0399, W 104.09071.

- 10712 DW Roberts (DWR 750). Isolated from soil sample SS 4012. 12 Jun 2008. USA: Elbert County, Colorado. N 39.06407, W 103.97838.
- 10713 DW Roberts (DWR 751). Isolated from soil sample SS 3958. 22 May 2008. USA: Lincoln County, Colorado. N 39.566153, W 103.595945.
- 10714 DW Roberts (DWR 752). Isolated from soil sample SS 3977. 28 May 2008. USA: Kit Carson County, Colorado. N 39.26474, W 102.81777.
- 10715 DW Roberts (DWR 753). Isolated from soil sample SS 2653. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10716 DW Roberts (DWR 754). Isolated from soil sample SS 2651. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10717 DW Roberts (DWR 755). Isolated from soil sample SS 2659. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10718 DW Roberts (DWR 756). Isolated from soil sample SS 2658. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10719 DW Roberts (DWR 757). Isolated from soil sample SS 2660. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10721 DW Roberts (DWR 770). Isolated from soil sample SS 3948. 21 May 2008. USA: Elbert County, Colorado. N 39.14374, W 103.73398.
- 10722 DW Roberts (DWR 771). Isolated from soil sample SS 2656. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10723 DW Roberts (DWR 772). Isolated from soil sample SS 3944. 2 Jun 2008. USA: Yuma County, Colorado. N 40.278595, W 102.603685.
- 10724 DW Roberts (DWR 773). Isolated from soil sample SS 2575. 26 Aug 2008. USA: Empire Ranch, Pima County, Arizona. N 31.792555, W 110.6357.
- 10725 DW Roberts (DWR 774). Isolated from soil sample SS 2607. 26 Aug 2008. USA: Empire Ranch, Pima County, Arizona. N 31.803754, W 110.678705.
- 10726 DW Roberts (DWR 775). Isolated from soil sample SS 2570. 26 Aug 2008. USA: Empire Ranch, Pima County, Arizona. N 31.792555, W 110.6357.
- 10727 DW Roberts (DWR 776). Isolated from soil sample SS 3952. 22 May 2008. USA: Washington County, Colorado. N 39.566822, W 103.65049833.
- 10728 DW Roberts (DWR 777). Isolated from soil sample SS 4076. 23 May 2008. USA: Adams County, Colorado. N 39.996792, W 103.71502.
- 10729 DW Roberts (DWR 778). Isolated from soil sample SS 3945. 10 Jul 2008. USA: Lake County, Colorado. N 39.08127, W 105.86591.
- 10731 DW Roberts (DWR 780). Isolated from soil sample SS 2635. 26 Aug 2008. USA: Graham County, Arizona. N 33.397751, W 109.718853.
- 10733 DW Roberts (DWR 782). Isolated from soil sample SS 2671. 26 Aug 2008. USA: Graham County, Arizona. N 33.380253, W 109.743061.
- 10734 DW Roberts (DWR 783). Isolated from soil sample SS 2686. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10735 DW Roberts (DWR 784). Isolated from soil sample SS 2685. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10736 DW Roberts (DWR 785). Isolated from soil sample SS 2779. 17 Jul 2008. USA: Arizona.
- 10737 DW Roberts (DWR 786). Isolated from soil sample SS 2692. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10738 DW Roberts (DWR 787). Isolated from soil sample SS 2694. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10739 DW Roberts (DWR 788). Isolated from soil sample SS 2705. 17 Jul 2008. USA: Coconino County, Arizona. N 35.76174, W 112.82265.
- 10740 DW Roberts (DWR 789). Isolated from soil sample SS 2767. 17 Jul 2008. USA: Coconino County, Arizona. N 35.722958, W 112.87758.
- 10741 DW Roberts (DWR 790). Isolated from soil sample SS 2067. 13 Aug 2008. USA: Boyd County, Nebraska.
- 10742 DW Roberts (DWR 791). Isolated from soil sample SS 2827. 17 Jul 2008. USA: Navajo County, Arizona. N 34.606645, W 110.3783016.
- 10743 DW Roberts (DWR 792). Isolated from soil sample SS 2828. 17 Jul 2008. USA: Navajo County, Arizona. N 34.606645, W 110.3783016.
- 10744 DW Roberts (DWR 808). Isolated from soil sample SS 2921. 17 Jul 2008. USA: Coconino County, Arizona. N 35.794473, W 112.416863.
- 10745 DW Roberts (DWR 809). Isolated from soil sample SS 2925. 17 Jul 2008. USA: Coconino County, Arizona. N 35.794473, W 112.416863.
- 10746 DW Roberts (DWR 810). Isolated from soil sample SS 2014. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.5343, W 99.7372.
- 10747 DW Roberts (DWR 811). Isolated from soil sample SS 2930. Jul 2008. USA: Yavapai County, Arizona. N 34.697016, W 112.510838.
- 10748 DW Roberts (DWR 812). Isolated from soil sample SS 2059. 13 Aug 2008. USA: Buffalo County, Nebraska. N 40.8588, W 99.2551.
- 10749 DW Roberts (DWR 813). Isolated from soil sample SS 2046. 13 Aug 2008. USA: Furnas County, Nebraska. N 40.1451, W 99.9326.
- 10750 DW Roberts (DWR 814). Isolated from soil sample SS 2920. 17 Jul 2008. USA: Coconino County, Arizona. N 35.794473, W 112.416863.
- 10751 DW Roberts (DWR 815). Isolated from soil sample SS 1874. 4 Aug 2008. USA: Keya Paha County, Nebraska.

- 10752 DW Roberts (DWR 817). Isolated from soil sample SS 1948. 30 Jul 2008. USA: Frontier County, Nebraska. N 40.38971, W 100.26295.
- 10754 DW Roberts (DWR 855). Isolated from soil sample SS 1898. 23 Jul 2008. USA: Hitchcock County, Nebraska. N 40.29845, W 101.04119.
- 10755 DW Roberts (DWR 856). Isolated from soil sample SS 1935. 25 Jul 2008. USA: Hayes County, Nebraska. N 40.63847, W 100.968.
- 10756 DW Roberts (DWR 857). Isolated from soil sample SS 1919. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.54133, W 100.24089.
- 10757 DW Roberts (DWR 858). Isolated from soil sample SS 1930. 24 Jul 2008. USA: Hayes County, Nebraska. N 40.36359, W 100.91887.
- 10758 DW Roberts (DWR 859). Isolated from soil sample SS 4723. 2 Jun 2008. USA: Coleman County, Texas. N 31.48319, W 99.37464.
- 10759 DW Roberts (DWR 860). Isolated from soil sample SS 2072. 13 Aug 2008. USA: Boyd County, Nebraska.
- 10760 DW Roberts (DWR 861). Isolated from soil sample SS 2058. 13 Aug 2008. USA: Furnas County, Nebraska. N 40.0161, W 100.0799.
- 10761 DW Roberts (DWR 862). Isolated from soil sample SS 4638. 3 Jun 2008. USA: Schleicher County, Texas. N 30.79365, W 100.77251.
- 10762 DW Roberts (DWR 863). Isolated from soil sample SS 4649. 30 Jun 2008. USA: Hansford County, Texas. N 36.08137, W 101.4447.
- 10763 DW Roberts (DWR 864). Isolated from soil sample SS 4603. 18 Jun 2008. USA: Swisher County, Texas. N 34.57756, W 101.54027.
- 10764 DW Roberts (DWR 865). Isolated from soil sample SS 4598. 17 Jun 2008. USA: Parmer County, Texas. N 34.64667, W 102.60166.
- 10765 DW Roberts (DWR 874). Isolated from soil sample SS 4726. 3 Jun 2008. USA: Menard County, Texas. N 30.99347, W 100.09922.
- 10766 DW Roberts (DWR 875). Isolated from soil sample SS 1984. 5 Aug 2008. USA: Lincoln County, Nebraska. N 40.84449, W 100.29618.
- 10767 DW Roberts (DWR 876). Isolated from soil sample SS 1955. 30 Jul 2008. USA: Frontier County, Nebraska. N 40.41958, W 100.59849.
- 10768 DW Roberts (DWR 877). Isolated from soil sample SS 4761. 6 Aug 2008. USA: Albany County, Wyoming. N 42.071891, W 106.0349178.
- 10769 DW Roberts (DWR 878). Isolated from soil sample SS 4728. 3 Jun 2008. USA: Menard County, Texas. N 30.84586, W 99.83236.
- 10770 DW Roberts (DWR 879). Isolated from soil sample SS 6893. 8 Jul 2008. USA: Morgan County, Utah. N 41.2125, W 111.3418.
- 10771 DW Roberts (DWR 884). Isolated from soil sample SS 1894. 23 Jul 2008. USA: Hitchcock County, Nebraska. N 40.03273, W 100.89821.
- 10773 DW Roberts (DWR 886). Isolated from soil sample SS 1917. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.66439, W 100.15061.
- 10774 DW Roberts (DWR 887). Isolated from soil sample SS 1911. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.47876, W 100.12382.
- 10775 DW Roberts (DWR 888). Isolated from soil sample SS 4689. 22 May 2008. USA: Throckmorton County, Texas. N 33.00592, W 99.20248.
- 10776 DW Roberts (DWR 889). Isolated from soil sample SS 4620. 28 May 2008. USA: Motley County, Texas. N 33.90479, W 100.96233.
- 10777 DW Roberts (DWR 890). Isolated from soil sample SS 4651. 30 Jun 2008. USA: Hansford County, Texas. N 36.42163, W 101.27528.
- 10778 DW Roberts (DWR 891). Isolated from soil sample SS 4682. 20 May 2008. USA: Baylor County, Texas. N 33.44733, W 99.23711.
- 10779 DW Roberts (DWR 892). Isolated from soil sample SS 4617. 28 May 2008. USA: Motley County, Texas. N 34.09042, W 100.9746.
- 10780 DW Roberts (DWR 893). Isolated from soil sample SS 4676. 14 May 2008. USA: Kiowa County, Oklahoma. N 34.85801, W 98.78252.
- 10781 DW Roberts (DWR 894). Isolated from soil sample SS 4602. 18 Jun 2008. USA: Swisher County, Texas. N 34.52972, W 101.90613.
- 10782 DW Roberts (DWR 895). Isolated from soil sample SS 4640. 3 Jun 2008. USA: Schleicher County, Texas. N 30.94188, W 100.33055.
- 10783 DW Roberts (DWR 896). Isolated from soil sample SS 4650. 30 Jun 2008. USA: Hansford County, Texas. N 36.21276, W 101.20016.
- 10784 DW Roberts (DWR 897). Isolated from soil sample SS 4727. 3 Jun 2008. USA: Menard County, Texas. N 30.78215, W 99.65649.
- 10785 DW Roberts (DWR 898). Isolated from soil sample SS 4738. 12 Jun 2008. USA: Bailey County, Texas. N 34.24297, W 102.77686.
- 10786 DW Roberts (DWR 899). Isolated from soil sample SS 4751. 7 Jul 2008. USA: Carson County, Texas. N 35.32781, W 101.16815.
- 10787 DW Roberts (DWR 901). Isolated from soil sample SS 5439. 16 Jun 2008. USA: Ziebach County, South Dakota. N 44.735197, W 101.4972383.
- 10788 DW Roberts (DWR 902). Isolated from soil sample SS 6747. 26 Jun 2008. USA: Grand County, Utah. N 38.5127, W 109.1724.
- 10789 DW Roberts (DWR 903). Isolated from soil sample SS 7649. Jul 2008. USA: San Juan County, Utah. N 38.0939, W 109.4602.
- 10790 DW Roberts (DWR 904). Isolated from soil sample SS 7655. Jul 2008. USA: San Juan County, Utah. N 38.1042, W 109.1029.

- 10791 DW Roberts (DWR 905). Isolated from soil sample SS 5544. 1 Jul 2008. USA: Jackson County, South Dakota. N 43.6684, W 101.755.
- 10792 DW Roberts (DWR 906). Isolated from soil sample SS 5529. 1 Jul 2008. USA: Meade County, South Dakota. N 44.8927, W 102.0457.
- 10793 DW Roberts (DWR 907). Isolated from soil sample SS 5680. 24 Jun 2008. USA: Lyman County, South Dakota. N 43.7519, W 100.2999.
- 10794 DW Roberts (DWR 908). Isolated from soil sample SS 5792. 10 Jun 2008. USA: Shannon County, South Dakota. N 43.52098, W 102.6821.
- 10795 DW Roberts (DWR 909). Isolated from soil sample SS 5764. 10 Jun 2008. USA: Gregory County, South Dakota. N 43.0464, W 98.7881.
- 10796 DW Roberts (DWR 910). Isolated from soil sample SS 4842. 11 Aug 2008. USA: Weston County, Wyoming. N 44.085785, W 104.14537716.
- 10797 DW Roberts (DWR 921). Isolated from soil sample SS 5845. 19 Jun 2008. USA: Corson County, South Dakota. N 45.55521, W 101.8609.
- 10798 DW Roberts (DWR 922). Isolated from soil sample SS 5826. 11 Jun 2008. USA: Tripp County, South Dakota. N 43.3863, W 100.0755.
- 10800 DW Roberts (DWR 924). Isolated from soil sample SS 6142. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.261535, W 102.081455.
- 10801 DW Roberts (DWR 925). Isolated from soil sample SS 6149. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.893785, W 102.54726.
- 10802 DW Roberts (DWR 926). Isolated from soil sample SS 6141. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.245015, W 102.235845.
- 10803 DW Roberts (DWR 927). Isolated from soil sample SS 6094. Jul 2008. USA: Dawes County, Nebraska. N 42.53117, W 102.94981.
- 10804 DW Roberts (DWR 928). Isolated from soil sample SS 5651. 24 Jun 2008. USA: Lyman County, South Dakota. N 43.8997, W 100.166.
- 10805 DW Roberts (DWR 929). Isolated from soil sample SS 6177. 7 Aug 2008. USA: Box Butte County, Nebraska. N 42.15098, W 102.771565.
- 10806 DW Roberts (DWR 930). Isolated from soil sample SS 6549. 1 Jul 2008. USA: Millard County, Utah. N 39.1156, W 113.1209.
- 10807 DW Roberts (DWR 931). Isolated from soil sample SS 6079. Jul 2008. USA: Dawes County, Nebraska. N 42.748135, W 103.17628.
- 10808 DW Roberts (DWR 932). Isolated from soil sample SS 6175. 7 Aug 2008. USA: Dawes County, Nebraska. N 42.664655, W 102.85194.
- 10809 DW Roberts (DWR 933). Isolated from soil sample SS 5927. 12 Jun 2008. USA: Ziebach County, South Dakota. N 44.613773, W 101.47825.
- 10810 DW Roberts (DWR 934). Isolated from soil sample SS 5895. 25 Jun 2008. USA: Todd County, South Dakota. N 43.06763, W 100.747919.
- 10811 DW Roberts (DWR 935). Isolated from soil sample SS 5901. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.07779, W 99.2063.
- 10812 DW Roberts (DWR 936). Isolated from soil sample SS 6001. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.73556, W 102.69261.
- 10813 DW Roberts (DWR 937). Isolated from soil sample SS 6043. 5 Aug 2008. USA: Dawes County, Nebraska. N 42.999545, W 103.019905.
- 10814 DW Roberts (DWR 938). Isolated from soil sample SS 6036. 5 Aug 2008. USA: Dawes County, Nebraska. N 42.92187, W 103.213995.
- 10815 DW Roberts (DWR 939). Isolated from soil sample SS 6054. 28 Jul 2008. USA: Banner County, Nebraska. N 41.565045, W 103.406485.
- 10816 DW Roberts (DWR 943). Isolated from soil sample SS 7109. 27 Jun 2008. USA: Piute County, Utah. N 38.40407, W 112.34563.
- 10817 DW Roberts (DWR 944). Isolated from soil sample SS 7111. 27 Jun 2008. USA: Piute County, Utah. N 38.22146, W 112.31586.
- 10818 DW Roberts (DWR 945). Isolated from soil sample SS 7123. 27 Jun 2008. USA: Millard County, Utah. N 38.5912, W 113.57.
- 10819 DW Roberts (DWR 946). Isolated from soil sample SS 7151. 6 Jul 2008. USA: Millard County, Utah. N 39.1851, W 114.0011.
- 10820 DW Roberts (DWR 947). Isolated from soil sample SS 6196. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.733655, W 103.292475.
- 10821 DW Roberts (DWR 948). Isolated from soil sample SS 5711. 1 Jul 2008. USA: Butte County, South Dakota. N 44.795258, W 103.26403.
- 10822 DW Roberts (DWR 949). Isolated from soil sample SS 5776. 25 Jun 2008. USA: Todd County, South Dakota. N 43.30257, W 100.55683.
- 10823 DW Roberts (DWR 950). Isolated from soil sample SS 7102. 27 Jun 2008. USA: Garfield County, Utah. N 38.10389, W 112.27619.
- 10824 DW Roberts (DWR 951). Isolated from soil sample SS 7055. 11 Jun 2008. USA: Tooele County, Utah. N 40.0207, W 113.1327.
- 10825 DW Roberts (DWR 952). Isolated from soil sample SS 6018. 20 Aug 2008. USA: Sheridan County, Nebraska. N 42.213985, W 102.427245.
- 10826 DW Roberts (DWR 953). Isolated from soil sample SS 5899. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.1371, W 99.005.
- 10827 DW Roberts (DWR 954). Isolated from soil sample SS 7090. 27 Jun 2008. USA: Piute County, Utah. N 38.22938, W 112.296.

- 10828 DW Roberts (DWR 955). Isolated from soil sample SS 7107. 27 Jun 2008. USA: Piute County, Utah. N 38.29251, W 112.34023.
- 10829 DW Roberts (DWR 956). Isolated from soil sample SS 7138. 27 Jun 2008. USA: Millard County, Utah. N 39.1655, W 113.0321.
- 10830 DW Roberts (DWR 957). Isolated from soil sample SS 7147. 2 Jul 2008. USA: Millard County, Utah. N 38.5907, W 113.5115.
- 10831 DW Roberts (DWR 958). Isolated from soil sample SS 5722. 17 Jun 2008. USA: Ziebach County, South Dakota. N 45.419595, W 101.778723.
- 10832 DW Roberts (DWR 959). Isolated from soil sample SS 7104. 27 Jun 2008. USA: Garfield County, Utah. N 38.04132, W 112.31939.
- 10833 DW Roberts (DWR 960). Isolated from soil sample SS 6004. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.90097, W 102.379625.
- 10834 DW Roberts (DWR 961). Isolated from soil sample SS 6069. 4 Aug 2008. USA: Sioux County, Nebraska. N 42.52465, W 103.598405.
- 10835 DW Roberts (DWR 962). Isolated from soil sample SS 5917. 10 Jun 2008. USA: Pennington, South Dakota. N 43.777916, W 102.537261.
- 10836 DW Roberts (DWR 963). Isolated from soil sample SS 6057. 28 Jul 2008. USA: Banner County, Nebraska. N 41.5017, W 103.42739.
- 10837 DW Roberts (DWR 964). Isolated from soil sample SS 5900. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.00613, W 99.2665.
- 10838 DW Roberts (DWR 965). Isolated from soil sample SS 5897. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.0807, W 99.43796.
- 10839 DW Roberts (DWR 966). Isolated from soil sample SS 7113. 27 Jun 2008. USA: Piute County, Utah. N 38.4155, W 112.35473.
- 10840 DW Roberts (DWR 967). Isolated from soil sample SS 6258. 12 Aug 2008. USA: Apache County, Arizona. N 34.37873, W 109.68482.
- 10841 DW Roberts (DWR 968). Isolated from soil sample SS 6202. 12 Aug 2008. USA: Coconino County, Arizona. N 34.306083, W 110.8977983.
- 10842 DW Roberts (DWR 969). Isolated from soil sample SS 6174. 7 Aug 2008. USA: Box Butte County, Nebraska. N 42.28555, W 102.75739.
- 10843 DW Roberts (DWR 970). Isolated from soil sample SS 6185. 11 Aug 2008. USA: Morrill County, Nebraska. N 41.55868, W 103.348755.
- 10844 DW Roberts (DWR 971). Isolated from soil sample SS 6120. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.74988, W 102.936425.
- 10849 DW Roberts (DWR 976). Isolated from soil sample SS 6126. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.692075, W 102.983275.
- 10850 DW Roberts (DWR 977). Isolated from soil sample SS 7220. 21 Jul 2008. USA: Garfield County, Utah. N 38.104, W 112.0426.
- 10851 DW Roberts (DWR 978). Isolated from soil sample SS 6099. 16 Jul 2008. USA: Box Butte County, Nebraska. N 42.051265, W 103.033715.
- 10852 DW Roberts (DWR 979). Isolated from soil sample SS 7120. 27 Jun 2008. USA: Millard County, Utah. N 39.273, W 113.5929.
- 10853 DW Roberts (DWR 980). Isolated from soil sample SS 6125. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.49912, W 102.9649.
- 10854 DW Roberts (DWR 981). Isolated from soil sample SS 7140. 27 Jun 2008. USA: Millard County, Utah. N 39.1836, W 112.5825.
- 10855 DW Roberts (DWR 982). Isolated from soil sample SS 6098. 16 Jul 2008. USA: Morrill County, Nebraska. N 41.918445, W 103.087495.
- 10856 DW Roberts (DWR 983). Isolated from soil sample SS 6114. 28 Jul 2008. USA: Banner County, Nebraska. N 41.568715, W 103.585345.
- 10857 DW Roberts (DWR 984). Isolated from soil sample SS 6969. 31 Jul 2008. USA: Uintah County, Utah. N 40.3903, W 109.104.
- 10858 DW Roberts (DWR 985). Isolated from soil sample SS 6139. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.336745, W 102.08199.
- 10859 DW Roberts (DWR 986). Isolated from soil sample SS 7148. 3 Jul 2008. USA: Millard County, Utah. N 39.1615, W 113.0852.
- 10860 DW Roberts (DWR 987). Isolated from soil sample SS 6097. 16 Jul 2008. USA: Morrill County, Nebraska. N 41.94954, W 103.009035.
- 10861 DW Roberts (DWR 988). Isolated from soil sample SS 7207. 21 Jul 2008. USA: Sevier County, Utah. N 39.0119, W 111.444.
- 10862 DW Roberts (DWR 989). Isolated from soil sample SS 6225. 12 Aug 2008. USA: Apache County, Arizona. N 34.183518, W 109.732445.
- 10863 DW Roberts (DWR 990). Isolated from soil sample SS 6952. 23 Jul 2008. USA: Grand County, Utah. N 39.3121, W 109.0939.
- 10864 DW Roberts (DWR 991). Isolated from soil sample SS 6266. 20 Sep 2008. USA: La Paz County, Arizona. N 33.27935, W 114.42816.
- 10865 DW Roberts (DWR 992). Isolated from soil sample SS 7115. 27 Jun 2008. USA: Beaver County, Utah. N 38.28483, W 112.36637.
- 10866 DW Roberts (DWR 993). Isolated from soil sample SS 7219. 21 Jul 2008. USA: Sevier County, Utah. N 38.5403, W 111.5419.
- 10867 DW Roberts (DWR 994). Isolated from soil sample SS 7122. 27 Jun 2008. USA: Beaver County, Utah. N 38.4151, W 113.1211.

- 10868 DW Roberts (DWR 995). Isolated from soil sample SS 6560. 1 Jul 2008. USA: Millard County, Utah. N 38.5914, W 113.1619.
- 10869 DW Roberts (DWR 996). Isolated from soil sample SS 6151. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.87849, W 102.4625.
- 10870 DW Roberts (DWR 997). Isolated from soil sample SS 6156. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.847235, W 102.104245.
- 10871 DW Roberts (DWR 998). Isolated from soil sample SS 6190. 11 Aug 2008. USA: Morrill County, Nebraska. N 41.620705, W 103.099345.
- 10872 DW Roberts (DWR 999). Isolated from soil sample SS 7130. 27 Jun 2008. USA: Beaver County, Utah. N 38.5031, W 113.4135.
- 10873 DW Roberts (DWR 1000). Isolated from soil sample SS 6122. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.46098, W 102.78185.
- 10874 DW Roberts (DWR 1001). Isolated from soil sample SS 7131. 27 Jun 2008. USA: Beaver County, Utah. N 38.5434, W 113.4241.
- 10876 DW Roberts (DWR 1003). Isolated from soil sample SS 6140. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.05945, W 102.463275.
- 10877 DW Roberts (DWR 1004). Isolated from soil sample SS 6143. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.744705, W 102.357825.
- 10878 DW Roberts (DWR 1005). Isolated from soil sample SS 6199. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.552865, W 102.818175.
- 10879 DW Roberts (DWR 1006). Isolated from soil sample SS 6078. 14 Jul 2008. USA: Dawes County, Nebraska. N 42.568015, W 103.126365.
- 10880 DW Roberts (DWR 1007). Isolated from soil sample SS 6118. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.62666, W 102.65576.
- 10881 DW Roberts (DWR 1008). Isolated from soil sample SS 6195. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.684995, W 103.073455.
- 10882 DW Roberts (DWR 1009). Isolated from soil sample SS 6212. 12 Aug 2008. USA: Apache County, Arizona. N 34.530787, W 109.757345.
- 10883 DW Roberts (DWR 1010). Isolated from soil sample SS 6244. 12 Aug 2008. USA: Coconino County, Arizona. N 35.332517, W 112.459995.
- 10884 DW Roberts (DWR 1011). Isolated from soil sample SS 6251. 12 Aug 2008. USA: Coconino County, Arizona. N 35.321033, W 112.2464.
- 10885 DW Roberts (DWR 1012). Isolated from soil sample SS 7108. 27 Jun 2008. USA: Beaver County, Utah. N 38.28492, W 112.36634.
- 10886 DW Roberts (DWR 1013). Isolated from soil sample SS 7112. 27 Jun 2008. USA: Piute County, Utah. N 38.28134, W 112.34828.
- 10887 DW Roberts (DWR 1014). Isolated from soil sample SS 7118. 27 Jun 2008. USA: Millard County, Utah. N 39.3111, W 113.575.
- 10888 DW Roberts (DWR 1015). Isolated from soil sample SS 7119. 27 Jun 2008. USA: Millard County, Utah. N 39.1431, W 113.242.
- 10889 DW Roberts (DWR 1016). Isolated from soil sample SS 7125. 27 Jun 2008. USA: Millard County, Utah. N 39.2307, W 113.5035.
- 10890 DW Roberts (DWR 1017). Isolated from soil sample SS 7129. 27 Jun 2008. USA: Beaver County, Utah. N 38.4652, W 112.5523.
- 10891 DW Roberts (DWR 1018). Isolated from soil sample SS 7133. 27 Jun 2008. USA: Beaver County, Utah. N 38.4408, W 113.2225.
- 10892 DW Roberts (DWR 1019). Isolated from soil sample SS 7137. 27 Jun 2008. USA: Millard County, Utah. N 39.1859, W 112.525.
- 10893 DW Roberts (DWR 1020). Isolated from soil sample SS 7142. 27 Jun 2008. USA: Beaver County, Utah. N 38.4223, W 113.1741.
- 10894 DW Roberts (DWR 1021). Isolated from soil sample SS 7145. 30 Jun 2008. USA: Beaver County, Utah. N 38.43, W 112.5808.
- 10895 DW Roberts (DWR 1022). Isolated from soil sample SS 7146. 1 Jul 2008. USA: Millard County, Utah. N 39.2633, W 113.5359.
- 10896 DW Roberts (DWR 1023). Isolated from soil sample SS 7149. 4 Jul 2008. USA: Beaver County, Utah. N 38.4512, W 113.2812.
- 10897 DW Roberts (DWR 1024). Isolated from soil sample SS 7150. 5 Jul 2008. USA: Millard County, Utah. N 39.1432, W 114.0012.
- 10898 DW Roberts (DWR 1025). Isolated from soil sample SS 7179. 29 Jul 2008. USA: Box Elder County, Utah. N 41.5372, W 113.2677.
- 10899 DW Roberts (DWR 1026). Isolated from soil sample SS 7181. 30 Jul 2008. USA: Box Elder County, Utah. N 41.533, W 113.2865.
- 10900 DW Roberts (DWR 1027). Isolated from soil sample SS 7187. 2 Jun 2008. USA: Millard County, Utah. N 39.3639, W 113.2907.
- 10901 DW Roberts (DWR 1028). Isolated from soil sample SS 7189. 21 Jul 2008. USA: Wayne County, Utah. N 38.1827, W 111.5807.
- 10902 DW Roberts (DWR 1029). Isolated from soil sample SS 7190. 3 Jun 2008. USA: Tooele County, Utah. N 40.1734, W 113.5921.
- 10903 DW Roberts (DWR 1030). Isolated from soil sample SS 7191. 3 Jun 2008. USA: Tooele County, Utah. N 40.0716, W 113.5827.
- 10904 DW Roberts (DWR 1031). Isolated from soil sample SS 7200. 21 Jul 2008. USA: Piute County, Utah. N 38.4239, W 112.0235.

- 10905 DW Roberts (DWR 1032). Isolated from soil sample SS 7203. 21 Jul 2008. USA: Garfield County, Utah. N 38.1402, W 111.5932.
- 10906 DW Roberts (DWR 1033). Isolated from soil sample SS 7206. 21 Jul 2008. USA: Piute County, Utah. N 38.4006, W 112.0604.
- 10907 DW Roberts (DWR 1034). Isolated from soil sample SS 7208. 21 Jul 2008. USA: Wayne County, Utah. N 38.4742, W 111.5922.
- 10908 DW Roberts (DWR 1035). Isolated from soil sample SS 7209. 21 Jul 2008. USA: Wayne County, Utah. N 38.4354, W 111.5841.
- 10909 DW Roberts (DWR 1036). Isolated from soil sample SS 7213. 21 Jul 2008. USA: Wayne County, Utah. N 38.3101, W 111.5253.
- 10910 DW Roberts (DWR 1037). Isolated from soil sample SS 7215. 21 Jul 2008. USA: Piute County, Utah. N 38.1755, W 112.1332.
- 10911 DW Roberts (DWR 1038). Isolated from soil sample SS 7217. 21 Jul 2008. USA: Piute County, Utah. N 38.2205, W 112.1329.
- 10912 DW Roberts (DWR 1039). Isolated from soil sample SS 7226. 22 Jul 2008. USA: Garfield County, Utah. N 38.0904, W 112.1725.
- 10913 DW Roberts (DWR 1040). Isolated from soil sample SS 7228. 22 Jul 2008. USA: Garfield County, Utah. N 38.0547, W 112.2011.
- 10914 DW Roberts (DWR 1041). Isolated from soil sample SS 7229. 22 Jul 2008. USA: Wayne County, Utah. N 38.1839, W 111.2315.
- 10915 DW Roberts (DWR 1042). Isolated from soil sample SS 7230. 22 Jul 2008. USA: Wayne County, Utah. N 38.16, W 111.0443.
- 10916 DW Roberts (DWR 1043). Isolated from soil sample SS 7231. 22 Jul 2008. USA: Kane County, Utah. N 37.4242, W 112.1434.
- 10917 DW Roberts (DWR 1044). Isolated from soil sample SS 7234. 22 Jul 2008. USA: Wayne County, Utah. N 38.2952, W 111.5.
- 10918 DW Roberts (DWR 1045). Isolated from soil sample SS 7235. 22 Jul 2008. USA: Wayne County, Utah. N 38.2605, W 111.4156.
- 10919 DW Roberts (DWR 1046). Isolated from soil sample SS 7236. 22 Jul 2008. USA: Garfield County, Utah. N 38.0708, W 111.1932.
- 10920 DW Roberts (DWR 1047). Isolated from soil sample SS 7237. 22 Jul 2008. USA: Wayne County, Utah. N 38.4133, W 111.5212.
- 10921 DW Roberts (DWR 1048). Isolated from soil sample SS 6178. 7 Aug 2008. USA: Box Butte County, Nebraska. N 42.220095, W 102.78352.
- 10922 DW Roberts (DWR 1049). Isolated from soil sample SS 6979. 5 Aug 2008. USA: Sanpete County, Utah. N 39.29, W 111.4052.
- 10923 DW Roberts (DWR 1050). Isolated from soil sample SS 6986. May 2008. USA: Millard County, Utah. N 39.5249, W 113.3908.
- 10924 DW Roberts (DWR 1051). Isolated from soil sample SS 6992. May 2008. USA: Box Elder County, Utah. N 41.5011, W 113.5323.
- 10925 DW Roberts (DWR 1052). Isolated from soil sample SS 7047. 11 Jun 2008. USA: Juab County, Utah. N 39.5614, W 112.4738.
- 10926 DW Roberts (DWR 1053). Isolated from soil sample SS 7003. May 2008. USA: Cassia County, Idaho. N 42.0105, W 113.5813.
- 10927 DW Roberts (DWR 1054). Isolated from soil sample SS 7000. May 2008. USA: Box Elder County, Utah. N 41.4607, W 113.5115.
- 10928 DW Roberts (DWR 1055). Isolated from soil sample SS 7005. May 2008. USA: Box Elder County, Utah. N 41.5104, W 113.4724.
- 10929 DW Roberts (DWR 1056). Isolated from soil sample SS 7006. May 2008. USA: Box Elder County, Utah. N 41.5136, W 113.5242.
- 10930 DW Roberts (DWR 1057). Isolated from soil sample SS 7011. May 2008. USA: Box Elder County, Utah. N 41.47394, W 113.55089.
- 10931 DW Roberts (DWR 1058). Isolated from soil sample SS 7018. 16 May 2008. USA: Box Elder County, Utah. N 41.5054, W 113.5226.
- 10932 DW Roberts (DWR 1059). Isolated from soil sample SS 7021. 5 Jun 2008. USA: Tooele County, Utah. N 40.032, W 112.181.
- 10933 DW Roberts (DWR 1060). Isolated from soil sample SS 7024. 9 Jun 2008. USA: Duchesne County, Utah. N 40.0953, W 110.1709.
- 10934 DW Roberts (DWR 1061). Isolated from soil sample SS 7027. 9 Jun 2008. USA: Duchesne County, Utah. N 40.1421, W 110.0402.
- 10935 DW Roberts (DWR 1062). Isolated from soil sample SS 7031. 9 Jun 2008. USA: Duchesne County, Utah. N 40.1015, N 110.3412.
- 10936 DW Roberts (DWR 1063). Isolated from soil sample SS 7044. 11 Jun 2008. USA: Millard County, Utah. N 39.4952, W 112.3912.
- 10937 DW Roberts (DWR 1064). Isolated from soil sample SS 7046. 11 Jun 2008. USA: Tooele County, Utah. N 40.0035, W 113.0854.
- 10938 DW Roberts (DWR 1065). Isolated from soil sample SS 7052. 11 Jun 2008. USA: Juab County, Utah. N 39.5815, W 113.1348.
- 10939 DW Roberts (DWR 1066). Isolated from soil sample SS 7057. 11 Jun 2008. USA: Millard County, Utah. N 39.5307, W 112.4459.
- 10940 DW Roberts (DWR 1067). Isolated from soil sample SS 7060. 12 Jun 2008. USA: Tooele County, Utah. N 40.4505, W 112.5855.

- 10941 DW Roberts (DWR 1068). Isolated from soil sample SS 7066. 16 Jun 2008. USA: Summit County, Utah. N 41.0045, W 111.3055.
- 10942 DW Roberts (DWR 1069). Isolated from soil sample SS 7077. 20 Jun 2008. USA: Wasatch County, Utah. N 40.2107, W 111.0409.
- 10943 DW Roberts (DWR 1070). Isolated from soil sample SS 7089. 27 Jun 2008. USA: Beaver County, Utah. N 38.28487, W 112.36624.
- 10944 DW Roberts (DWR 1071). Isolated from soil sample SS 7082. 2 Jul 2008. USA: Emery County, Utah. N 39.3854, W 111.2211.
- 10945 DW Roberts (DWR 1072). Isolated from soil sample SS 7085. 3 Jul 2008. USA: Duchesne County, Utah. N 40.3232, W 110.0842.
- 10946 DW Roberts (DWR 1073). Isolated from soil sample SS 7098. 27 Jun 2008. USA: Garfield County, Utah. N 38.05085, W 112.27545.
- 10948 DW Roberts (DWR 1075). Isolated from soil sample SS 6551. 1 Jul 2008. USA: Millard County, Utah. N 39.3318, W 113.0619.
- 10949 DW Roberts (DWR 1076). Isolated from soil sample SS 6570. 1 Jul 2008. USA: Iron County, Utah. N 37.5319, W 113.1214.
- 10950 DW Roberts (DWR 1077). Isolated from soil sample SS 6982. 7 Aug 2008. USA: Juab County, Utah. N 39.5817, W 112.0505.
- 10951 DW Roberts (DWR 1078). Isolated from soil sample SS 6989. May 2008. USA: Box Elder County, Utah. N 41.573, W 114.004.
- 10952 DW Roberts (DWR 1079). Isolated from soil sample SS 6991. May 2008. USA: Box Elder County, Utah. N 41.1134, W 113.5731.
- 10953 DW Roberts (DWR 1080). Isolated from soil sample SS 6992. May 2008. USA: Box Elder County, Utah. N 41.5011, W 113.5323.
- 10954 DW Roberts (DWR 1081). Isolated from soil sample SS 7001. May 2008. USA: Box Elder County, Utah. N 41.4807, W 113.5703.
- 10955 DW Roberts (DWR 1082). Isolated from soil sample SS 7004. May 2008. USA: Box Elder County, Utah. N 41.4829, W 113.5411.
- 10956 DW Roberts (DWR 1083). Isolated from soil sample SS 7009. May 2008. USA: Box Elder County, Utah. N 41.46394, W 113.54373.
- 10957 DW Roberts (DWR 1084). Isolated from soil sample SS 7013. May 2008. USA: Box Elder County, Utah. N 41.47287, W 113.534.
- 10958 DW Roberts (DWR 1085). Isolated from soil sample SS 7019. 16 May 2008. USA: Box Elder County, Utah. N 41.5078, W 113.5249.
- 10959 DW Roberts (DWR 1086). Isolated from soil sample SS 7022. 9 Jun 2008. USA: Carbon County, Utah. N 39.541, W 110.4352.
- 10960 DW Roberts (DWR 1087). Isolated from soil sample SS 7026. 9 Jun 2008. USA: Emery County, Utah. N 39.4558, W 110.3846.
- 10961 DW Roberts (DWR 1088). Isolated from soil sample SS 7033. 9 Jun 2008. USA: Emery County, Utah. N 39.3119, W 110.4453.
- 10962 DW Roberts (DWR 1089). Isolated from soil sample SS 7035. 10 Jun 2008. USA: Emery County, Utah. N 39.5718, W 111.1518.
- 10963 DW Roberts (DWR 1090). Isolated from soil sample SS 7041. 10 Jun 2008. USA: Sanpete County, Utah. N 39.5659, W 111.5753.
- 10964 DW Roberts (DWR 1091). Isolated from soil sample SS 7048. 11 Jun 2008. USA: Juab County, Utah. N 39.5932, W 112.4835.
- 10965 DW Roberts (DWR 1092). Isolated from soil sample SS 7051. 11 Jun 2008. USA: Tooele County, Utah. N 40.1431, W 113.561.
- 10966 DW Roberts (DWR 1093). Isolated from soil sample SS 7053. 11 Jun 2008. USA: Juab County, Utah. N 39.4011, W 112.0404.
- 10967 DW Roberts (DWR 1094). Isolated from soil sample SS 7056. 11 Jun 2008. USA: Millard County, Utah. N 39.4721, W 112.334.
- 10968 DW Roberts (DWR 1095). Isolated from soil sample SS 7061. 12 Jun 2008. USA: Tooele County, Utah. N 40.3814, W 112.5231.
- 10969 DW Roberts (DWR 1096). Isolated from soil sample SS 7068. 17 Jun 2008. USA: Duchesne County, Utah. N 40.2436, W 110.4634.
- 10970 DW Roberts (DWR 1097). Isolated from soil sample SS 7076. 20 Jun 2008. USA: Duchesne County, Utah. N 40.1759, W 110.4146.
- 10971 DW Roberts (DWR 1098). Isolated from soil sample SS 7079. 23 Jun 2008. USA: Rock Island, Utah. N 41.4522, W 112.2604.
- 10972 DW Roberts (DWR 1099). Isolated from soil sample SS 7087. 27 Jun 2008. USA: Piute County, Utah. N 38.43047, W 112.22482.
- 10973 DW Roberts (DWR 1100). Isolated from soil sample SS 7097. 27 Jun 2008. USA: Piute County, Utah. N 38.28139, W 112.34832.
- 10974 DW Roberts (DWR 1101). Isolated from soil sample SS 7099. 27 Jun 2008. USA: Piute County, Utah. N 38.46293, W 112.23794.
- 10975 DW Roberts (DWR 1102). Isolated from soil sample SS 7101. 27 Jun 2008. USA: Garfield County, Utah. N 38.0381, W 112.29984.
- 10976 DW Roberts (DWR 1103). Isolated from soil sample SS 7106. 27 Jun 2008. USA: Piute County, Utah. N 38.24511, W 112.37793.
- 10977 DW Roberts (DWR 1104). Isolated from soil sample SS 6915. 9 Jul 2008. USA: San Juan County, Utah. N 38.1451, W 109.2256.

- 10978 DW Roberts (DWR 1105). Isolated from soil sample SS 6918. 10 Jul 2008. USA: Wasatch County, Utah. N 40.415, W 111.4422.
- 10979 DW Roberts (DWR 1106). Isolated from soil sample SS 6919. 10 Jul 2008. USA: Sanpete County, Utah. N 39.4308, W 111.4537.
- 10980 DW Roberts (DWR 1107). Isolated from soil sample SS 6925. 10 Jul 2008. USA: San Juan County, Utah. N 37.1755, W 109.2756.
- 10981 DW Roberts (DWR 1108). Isolated from soil sample SS 6926. 14 Jul 2008. USA: Duchesne County, Utah. N 40.5548, W 110.4439.
- 10982 DW Roberts (DWR 1109). Isolated from soil sample SS 6927. Jul 2008. USA: Rich County, Utah. N 41.4219, W 111.1026.
- 10983 DW Roberts (DWR 1110). Isolated from soil sample SS 6929. Jul 2008. USA: Rich County, Utah. N 41.4804, W 111.1437.
- 10984 DW Roberts (DWR 1111). Isolated from soil sample SS 6930. Jul 2008. USA: Morgan County, Utah. N 41.3656, W 111.3818.
- 10985 DW Roberts (DWR 1112). Isolated from soil sample SS 6933. 16 Jul 2008. USA: Box Elder County, Utah. N 41.3115, W 113.3549.
- 10986 DW Roberts (DWR 1113). Isolated from soil sample SS 6935. 16 Jul 2008. USA: Box Elder County, Utah. N 41.4322, W 112.4701.
- 10988 DW Roberts (DWR 1115). Isolated from soil sample SS 6941. 17 Jul 2008. USA: Box Elder County, Utah. N 41.4343, W 113.3124.
- 10989 DW Roberts (DWR 1116). Isolated from soil sample SS 6946. 17 Jul 2008. USA: Box Elder County, Utah. N 41.5756, W 113.011.
- 10990 DW Roberts (DWR 1117). Isolated from soil sample SS 6950. 23 Jul 2008. USA: Grand County, Utah. N 39.4302, W 109.2916.
- 10991 DW Roberts (DWR 1118). Isolated from soil sample SS 6951. 23 Jul 2008. USA: Grand County, Utah. N 39.4246, W 109.1634.
- 10992 DW Roberts (DWR 1119). Isolated from soil sample SS 6953. 23 Jul 2008. USA: Uintah County, Utah. N 39.5235, W 109.0628.
- 10993 DW Roberts (DWR 1120). Isolated from soil sample SS 6955. 23 Jul 2008. USA: Grand County, Utah. N 39.2713, W 109.095.
- 10994 DW Roberts (DWR 1121). Isolated from soil sample SS 6958. 30 Jul 2008. USA: Uintah County, Utah. N 40.5438, W 109.4119.
- 10995 DW Roberts (DWR 1122). Isolated from soil sample SS 6964. 31 Jul 2008. USA: Moffat County, Colorado. N 40.4948, W 109.0448.
- 10996 DW Roberts (DWR 1123). Isolated from soil sample SS 6965. 31 Jul 2008. USA: Moffat County, Colorado. N 40.5152, W 109.0404.
- 10997 DW Roberts (DWR 1124). Isolated from soil sample SS 6966. 31 Jul 2008. USA: Uintah County, Utah. N 40.1454, W 109.2526.
- 10998 DW Roberts (DWR 1125). Isolated from soil sample SS 6968. 31 Jul 2008. USA: Duchesne County, Utah. N 40.3139, W 110.4614.
- 10999 DW Roberts (DWR 1126). Isolated from soil sample SS 6972. 31 Jul 2008. USA: Uintah County, Utah. N 40.0501, W 109.1214.
- 11000 DW Roberts (DWR 1127). Isolated from soil sample SS 6973. 31 Jul 2008. USA: Uintah County, Utah. N 40.3707, W 109.0509.
- 11001 DW Roberts (DWR 1128). Isolated from soil sample SS 6974. 31 Jul 2008. USA: Uintah County, Utah. N 40.3914, W 109.145.
- 11002 DW Roberts (DWR 1129). Isolated from soil sample SS 6976. 4 Aug 2008. USA: Emery County, Utah. N 39.4804, W 111.2132.
- 11003 DW Roberts (DWR 1130). Isolated from soil sample SS 7153. 8 Jul 2008. USA: Millard County, Utah. N 39.0615, W 114.0212.
- 11004 DW Roberts (DWR 1131). Isolated from soil sample SS 7154. 9 Jul 2008. USA: Millard County, Utah. N 39.2303, W 113.5946.
- 11005 DW Roberts (DWR 1132). Isolated from soil sample SS 7157. Jul 2008. USA: Box Elder County, Utah. N 41.4145, W 113.5383.
- 11006 DW Roberts (DWR 1133). Isolated from soil sample SS 7164. 18 Jul 2008. USA: Piute County, Utah. N 38.4691, W 112.2516.
- 11007 DW Roberts (DWR 1134). Isolated from soil sample SS 7169. 18 Jul 2008. USA: Sevier County, Utah. N 38.5297, W 112.2016.
- 11008 DW Roberts (DWR 1135). Isolated from soil sample SS 7287. 25 Jul 2008. USA: Sevier County, Utah. N 38.5131, W 112.2508.
- 11009 DW Roberts (DWR 1136). Isolated from soil sample SS 7290. 25 Jul 2008. USA: Piute County, Utah. N 38.1601, W 112.2859.
- 11010 DW Roberts (DWR 1137). Isolated from soil sample SS 7305. 10 Jun 2008. USA: Washington County, Utah. N 37.1321, W 113.4638.
- 11011 DW Roberts (DWR 1138). Isolated from soil sample SS 7307. 10 Jun 2008. USA: Washington County, Utah. N 37.0736, W 113.3458.
- 11012 DW Roberts (DWR 1139). Isolated from soil sample SS 7308. 10 Jun 2008. USA: Washington County, Utah. N 37.1732, W 113.4508.
- 11013 DW Roberts (DWR 1140). Isolated from soil sample SS 7313. 10 Jun 2008. USA: Washington County, Utah. N 37.0945, W 113.4703.
- 11014 DW Roberts (DWR 1141). Isolated from soil sample SS 7329. 11 Jun 2008. USA: Washington County, Utah. N 37.094, W 113.0203.

- 11015 DW Roberts (DWR 1142). Isolated from soil sample SS 7289. 25 Jul 2008. USA: Piute County, Utah. N 38.4629, W 112.3128.
- 11016 DW Roberts (DWR 1143). Isolated from soil sample SS 7331, colony 1. 11 Jun 2008. USA: Kane County, Utah. N 37, W 112.5955.
- 11017 DW Roberts (DWR 1144). Isolated from soil sample SS 7331, colony 2. 11 Jun 2008. USA: Kane County, Utah. N 37, W 112.5955.
- 11018 DW Roberts (DWR 1167). Isolated from soil sample SS 7704. 17 Jul 2008. USA: San Juan County, Utah. N 37.1957, W 109.1011.
- 11019 DW Roberts (DWR 1168). Isolated from soil sample SS 7709. 17 Jul 2008. USA: Montezuma County, Colorado. N 37.4919, W 109.0347.
- 11020 DW Roberts (DWR 1169). Isolated from soil sample SS 7714. 17 Jul 2008. USA: San Juan County, Utah. N 37.0447, W 109.325.
- 11021 DW Roberts (DWR 1170). Isolated from soil sample SS 7717. 18 Jul 2008. USA: Millard County, Utah. N 39.2114, W 112.2553.
- 11022 DW Roberts (DWR 1171). Isolated from soil sample SS 7726. 14 Aug 2008. USA: Albany County, Wyoming. N 42.274842, W 105.50559.
- 11023 DW Roberts (DWR 1172). Isolated from soil sample SS 7740. 20 Aug 2008. USA: Big Horn County, Wyoming. N 44.583953, W 107.5352.
- 11024 DW Roberts (DWR 1173). Isolated from soil sample SS 7747. 20 Aug 2008. USA: Washakie County, Wyoming. N 43.955574, W 108.01491.
- 11025 DW Roberts (DWR 1174). Isolated from soil sample SS 8134. 7 Aug 2008. USA: Garfield County, Montana.
- 11026 DW Roberts (DWR 1175). Isolated from soil sample SS 8156. 27 Aug 2008. USA: Cherry County, Nebraska. N 42.833708, W 101.54122.
- 11027 DW Roberts (DWR 1176). Isolated from soil sample SS 8180. 2 Sep 2008. USA: Cherry County, Nebraska. N 42.407126, W 101.96534.
- 11028 DW Roberts (DWR 1177). Isolated from soil sample SS 8181. 2 Sep 2008. USA: Cherry County, Nebraska. N 42.392988, W 101.86405.
- 11029 DW Roberts (DWR 1178). Isolated from soil sample SS 8183. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.542972, W 101.81068.
- 11030 DW Roberts (DWR 1179). Isolated from soil sample SS 8184. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.556102, W 101.88454.
- 11031 DW Roberts (DWR 1185). Isolated from soil sample SS 8031. 28 Jul 2008. USA: Montana.
- 11032 DW Roberts (DWR 1186). Isolated from soil sample SS 8033. 28 Jul 2008. USA: Montana.
- 11033 DW Roberts (DWR 1187). Isolated from soil sample SS 8044. 4 Aug 2008. USA: Montana.
- 11034 DW Roberts (DWR 1188). Isolated from soil sample SS 8047. 6 Aug 2008. USA: Montana.
- 11035 DW Roberts (DWR 1189). Isolated from soil sample SS 8048. 12 Aug 2008. USA: Montana.
- 11036 DW Roberts (DWR 1190). Isolated from soil sample SS 8190. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.803546, W 101.92228.
- 11037 DW Roberts (DWR 1191). Isolated from soil sample SS 8191. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.921198, W 101.4544.
- 11038 DW Roberts (DWR 1192). Isolated from soil sample SS 8193. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.879186, W 101.86275.
- 11039 DW Roberts (DWR 1193). Isolated from soil sample SS 8194. 26 Aug 2008. USA: Cherry County, Nebraska. N 42.926168, W 101.76368.
- 11040 DW Roberts (DWR 1194). Isolated from soil sample SS 8196. 26 Aug 2008. USA: Cherry County, Nebraska. N 42.961748, W 101.62368.
- 11041 DW Roberts (DWR 1195). Isolated from soil sample SS 8197. 26 Aug 2008. USA: Cherry County, Nebraska. N 42.936606, W 101.6383.
- 11042 DW Roberts (DWR 1197). Isolated from soil sample SS 8210. 27 Aug 2008. USA: Cherry County, Nebraska. N 42.50924, W 101.37495.
- 11043 DW Roberts (DWR 1198). Isolated from soil sample SS 8211. 27 Aug 2008. USA: Cherry County, Nebraska. N 42.597543, W 101.27849.
- 11044 DW Roberts (DWR 1199). Isolated from soil sample SS 8216. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.884978, W 101.04385.
- 11045 DW Roberts (DWR 1200). Isolated from soil sample SS 8217. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.93163, W 101.05241.
- 11046 DW Roberts (DWR 1201). Isolated from soil sample SS 8224. 6 Aug 2008. USA: Hooker County, Nebraska. N 42.005648, W 101.00252.
- 11047 DW Roberts (DWR 1202). Isolated from soil sample SS 8227. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.831542, W 101.03613.
- 11048 DW Roberts (DWR 1203). Isolated from soil sample SS 8232. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.842936, W 101.40832.
- 11049 DW Roberts (DWR 1204). Isolated from soil sample SS 7007. May 2008. USA: Box Elder County, Utah. N 41.4735, W 113.5545.
- 11051 DW Roberts (DWR 1206). Isolated from soil sample SS 7498. 28 Jul 2008. USA: Sevier County, Utah. N 38.5408, W 111.5746.
- 11052 DW Roberts (DWR 1207). Isolated from soil sample SS 7775. 20 Aug 2008. USA: Platte County, Wyoming. N 41.929569, W 104.93745.
- 11055 DW Roberts (DWR 1210). Isolated from soil sample SS 7815. 26 Aug 2008. USA: Park County, Wyoming. N 44.422581, W 109.20904.

- 11056 DW Roberts (DWR 1211). Isolated from soil sample SS 7987. 25 Jul 2008. USA: Montana.
- 11057 DW Roberts (DWR 1212). Isolated from soil sample SS 7990. 30 Jul 2008. USA: Montana.
- 11058 DW Roberts (DWR 1213). Isolated from soil sample SS 7992. 30 Jul 2008. USA: Montana.
- 11059 DW Roberts (DWR 1214). Isolated from soil sample SS 7996. 9 Jul 2008. USA: Montana.
- 11060 DW Roberts (DWR 1216). Isolated from soil sample SS 8004. 31 Jul 2008. USA: Park County, Montana.
- 11061 DW Roberts (DWR 1217). Isolated from soil sample SS 8007. 5 Aug 2008. USA: Missoula County, Montana.
- 11062 DW Roberts (DWR 1218). Isolated from soil sample SS 8009. 29 Jul 2008. USA: Stillwater County, Montana.
- 11063 DW Roberts (DWR 1219). Isolated from soil sample SS 8015. 9 Jul 2008. USA: Fergus County, Montana. N 46.8575, W 108.978.
- 11064 DW Roberts (DWR 1220). Isolated from soil sample SS 8018. Jul 2008. USA: Golden Valley County, Montana. N 46.5858, W 109.2624.
- 11065 DW Roberts (DWR 1221). Isolated from soil sample SS 8022. 16 Jul 2008. USA: Golden Valley County, Montana. N 47.20932, W 109.19063.
- 11066 DW Roberts (DWR 1222). Isolated from soil sample SS 8026. 28 Jul 2008. USA: Montana.
- 11069 DW Roberts (DWR 1225). Isolated from soil sample SS 8055. Jul 2008. USA: Powder River County, Montana.
- 11070 DW Roberts (DWR 1226). Isolated from soil sample SS 8059. Jul 2008. USA: Powder River County, Montana.
- 11071 DW Roberts (DWR 1227). Isolated from soil sample SS 8060. Jul 2008. USA: Powder River County, Montana.
- 11072 DW Roberts (DWR 1228). Isolated from soil sample SS 8061. Jul 2008. USA: Musselshell County, Montana. N 46.2435, W 108.6204.
- 11073 DW Roberts (DWR 1229). Isolated from soil sample SS 8064. 16 Jul 2008. USA: Powder River County, Montana.
- 11075 DW Roberts (DWR 1231). Isolated from soil sample SS 8217. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.93163, W 101.05241.
- 11076 DW Roberts (DWR 1232). Isolated from soil sample SS 8239. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.759492, W 101.26943.
- 11077 DW Roberts (DWR 1233). Isolated from soil sample SS 8242. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.570262, W 101.38229.
- 11078 DW Roberts (DWR 1234). Isolated from soil sample SS 8274. 18 Aug 2008. USA: Arthur County, Nebraska. N 41.718988, W 101.46193.
- 11079 DW Roberts (DWR 1235). Isolated from soil sample SS 8275. 18 Aug 2008. USA: Arthur County, Nebraska. N 41.680385, W 101.44429.
- 11080 DW Roberts (DWR 1236). Isolated from soil sample SS 8281. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.668153, W 100.857.
- 11081 DW Roberts (DWR 1237). Isolated from soil sample SS 8282. Aug 2008. USA: McPherson County, Nebraska. N 41.719346, W 101.36375.
- 11082 DW Roberts (DWR 1238). Isolated from soil sample SS 8285. 20 Aug 2008. USA: Arthur County, Nebraska. N 41.557188, W 101.57101.
- 11083 DW Roberts (DWR 1257). Isolated from soil sample SS 8856. 9 Jun 2008. USA: Bent County, Colorado. N 37.687508, W 102.90237.
- 11084 DW Roberts (DWR 1258). Isolated from soil sample SS 8896. 11 Jul 2008. USA: Cheyenne County, Colorado. N 38.697155, W 102.25783.
- 11085 DW Roberts (DWR 1259). Isolated from soil sample SS 8907. 7 Jun 2008. USA: Prowers County, Colorado. N 38.092246, W 102.50354.
- 11086 DW Roberts (DWR 1260). Isolated from soil sample SS 8961. 5 Jul 2008. USA: Baca County, Colorado. N 37.250735, W 102.31337.
- 11088 DW Roberts (DWR 1262). Isolated from soil sample SS 8982. 30 Jun 2008. USA: Kit Carson County, Colorado. N 39.3373, W 102.26022.
- 11089 DW Roberts (DWR 1263). Isolated from soil sample SS 9007. 30 Jun 2008. USA: Yuma County, Colorado. N 40.380813, W 102.47325.
- 11090 DW Roberts (DWR 1264). Isolated from soil sample SS 9014. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.540958, W 102.52868.
- 11091 DW Roberts (DWR 1265). Isolated from soil sample SS 9037. 23 Jun 2008. USA: Cheyenne County, Colorado. N 38.762053, W 102.3322.
- 11092 DW Roberts (DWR 1266). Isolated from soil sample SS 9057. 10 Jun 2008. USA: Cheyenne County, Colorado. N 38.720766, W 102.78011.
- 11093 DW Roberts (DWR 1267). Isolated from soil sample SS 9227. 20 May 2008. USA: Lincoln County, Colorado. N 38.539851, W 103.17315.
- 11094 DW Roberts (DWR 1268). Isolated from soil sample SS 9236. 20 May 2008. USA: Kiowa County, Colorado. N 38.527758, W 102.85993.
- 11095 DW Roberts (DWR 1269). Isolated from soil sample SS 9308. 13 Jul 2008. USA: Moffat County, Colorado. N 40.84402, W 107.48035.
- 11096 DW Roberts (DWR 1270). Isolated from soil sample SS 11262. 24 Apr 2009. USA: Graham County, Arizona. N 33.19384, W 109.86892.
- 11097 DW Roberts (DWR 1271). Isolated from soil sample SS 11266. 24 Apr 2009. USA: Graham County, Arizona. N 33.19435, W 109.86784.

- 11098 DW Roberts (DWR 1272). Isolated from soil sample SS 11267. 24 Apr 2009. USA: Graham County, Arizona. N 33.19248, W 109.87383.
- 11099 DW Roberts (DWR 1273). Isolated from soil sample SS 11269. 24 Apr 2009. USA: Graham County, Arizona. N 33.19168, W 109.87527.
- 11100 DW Roberts (DWR 1274). Isolated from soil sample SS 11273. 24 Apr 2009. USA: Graham County, Arizona. N 33.19334, W 109.872.
- 11101 DW Roberts (DWR 1275). Isolated from soil sample SS 11275. 24 Apr 2009. USA: Graham County, Arizona. N 33.19495, W 109.87125.
- 11102 DW Roberts (DWR 1276). Isolated from soil sample SS 11277. 24 Apr 2009. USA: Graham County, Arizona. N 33.193, W 109.87223.
- 11103 DW Roberts (DWR 1277). Isolated from soil sample SS 11366. 18 May 2009. USA: Lamb County, Texas. N 33.91115, W 102.57365.
- 11104 DW Roberts (DWR 1278). Isolated from soil sample SS 11372. 19 May 2009. USA: Terry County, Texas. N 33.26923, W 102.51651.
- 11106 DW Roberts (DWR 1298). Isolated from soil sample SS 9338. 1 Jun 2008. USA: Kiowa County, Colorado. N 38.44999, W 102.83335.
- 11107 DW Roberts (DWR 1299). Isolated from soil sample SS 9101. 1 Jul 2008. USA: San Juan County, Colorado. N 37.8338, W 107.60068.
- 11108 DW Roberts (DWR 1300). Isolated from soil sample SS 8931. 2 Jun 2008. USA: Baca County, Colorado. N 37.381371, W 102.77804.
- 11109 DW Roberts (DWR 1301). Isolated from soil sample SS 8948. 5 Jul 2008. USA: Baca County, Colorado. N 37.149276, W 102.11788.
- 11111 DW Roberts (DWR 1303). Isolated from soil sample SS 8983. 30 Jun 2008. USA: Kit Carson County, Colorado. N 39.412156, W 102.25908.
- 11112 DW Roberts (DWR 1304). Isolated from soil sample SS 8986. 30 Jun 2008. USA: Kit Carson County, Colorado. N 39.5725, W 102.18479.
- 11114 DW Roberts (DWR 1306). Isolated from soil sample SS 9017. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.600603, W 102.26955.
- 11115 DW Roberts (DWR 1307). Isolated from soil sample SS 9041. 10 Jun 2008. USA: Kiowa County, Colorado. N 38.549601, W 103.02541.
- 11116 DW Roberts (DWR 1308). Isolated from soil sample SS 9228. 20 May 2008. USA: Kiowa County, Colorado. N 38.613008, W 103.14424.
- 11117 DW Roberts (DWR 1309). Isolated from soil sample SS 9396. 5 Aug 2008. USA: Jackson County, Colorado. N 40.593288, W 106.00606.
- 11118 DW Roberts (DWR 1311). Isolated from soil sample SS 11348. 21 May 2009. USA: King County, Texas. N 33.78101, W 100.19885.
- 11119 DW Roberts (DWR 1312). Isolated from soil sample SS 11373. 19 May 2009. USA: Terry County, Texas. N 33.32707, W 102.41312.
- 11120 DW Roberts (DWR 1313). Isolated from soil sample SS 11378. 19 May 2009. USA: Yoakum County, Texas. N 33.15315, W 102.61156.
- 11121 DW Roberts (DWR 1314). Isolated from soil sample SS 9120. 8 Jul 2008. USA: Rio Blanco County, Colorado. N 39.7447, W 109.0465.
- 11122 DW Roberts (DWR 1315). Isolated from soil sample SS 9510. 10 Jul 2008. USA: Montezuma County, Colorado. N 37.302316, W 108.6412.
- 11123 DW Roberts (DWR 1316). Isolated from soil sample SS 8979. 13 Jul 2008. USA: Cheyenne County, Colorado. N 38.853608, W 102.5746.
- 11124 DW Roberts (DWR 1317). Isolated from soil sample SS 11320. 13 May 2009. USA: Briscoe County, Texas. N 34.55293, W 100.96094.
- 11125 DW Roberts (DWR 1318). Isolated from soil sample SS 11322. 13 May 2009. USA: Briscoe County, Texas. N 34.65285, W 101.44141.
- 11126 DW Roberts (DWR 1319). Isolated from soil sample SS 11311. 13 May 2009. USA: Motley County, Texas. N 34.14235, W 100.70437.
- 11127 DW Roberts (DWR 1320). Isolated from soil sample SS 11335. May 2009. USA: Garza County, Texas. N 33.21871, W 101.14133.
- 11128 DW Roberts (DWR 1321). Isolated from soil sample SS 11346. 20 May 2009. USA: Dickens County, Texas. N 33.3986, W 100.91322.
- 11129 DW Roberts (DWR 1322). Isolated from soil sample SS 11391. 29 May 2009. USA: Knox County, Texas. N 33.53485, W 99.89711.
- 11130 DW Roberts (DWR 1323). Isolated from soil sample SS 11407. 4 Jun 2009. USA: Shackelford County, Texas. N 32.90495, W 99.23851.
- 11131 DW Roberts (DWR 1328). Isolated from soil sample SS 9437. 27 Jun 2008. USA: Pueblo County, Colorado. N 38.02472, W 104.85368.
- 11132 DW Roberts (DWR 1329). Isolated from soil sample SS 9366. 2 Jul 2008. USA: Montrose County, Colorado. N 38.60498, W 107.83564.
- 11133 DW Roberts (DWR 1330). Isolated from soil sample SS 9621. 24 Jun 2008. USA: Montrose County, Colorado. N 38.26683, W 108.28009.
- 11134 DW Roberts (DWR 1331). Isolated from soil sample SS 9296. 3 Jul 2008. USA: Jackson County, Colorado. N 40.57033, W 106.28183.
- 11135 DW Roberts (DWR 1332). Isolated from soil sample SS 9387. 4 Aug 2008. USA: Jackson County, Colorado. N 40.791495, W 106.28171.
- 11136 DW Roberts (DWR 1333). Isolated from soil sample SS 9482. 2 Jul 2008. USA: La Plata County, Colorado. N 37.24936, W 107.76679.

- 11137 DW Roberts (DWR 1334). Isolated from soil sample SS 9514. 11 Jul 2008. USA: Montezuma County, Colorado. N 37.617253, W 108.40162.
- 11138 DW Roberts (DWR 1335). Isolated from soil sample SS 9618. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.01796, W 108.33174.
- 11139 DW Roberts (DWR 1336). Isolated from soil sample SS 9620. 24 Jun 2008. USA: Montrose County, Colorado. N 38.304, W 108.20071.
- 11140 DW Roberts (DWR 1339). Isolated from soil sample SS 11385. 27 May 2009. USA: Foard County, Texas. N 33.99416, W 99.83844.
- 11141 DW Roberts (DWR 1340). Isolated from soil sample SS 11411. 27 May 2009. USA: Castro County, Texas. N 34.60214, W 102.32558.
- 11142 DW Roberts (DWR 1341). Isolated from soil sample SS 11416. 26 May 2009. USA: Parmer County, Texas. N 34.64846, W 102.60154.
- 11143 DW Roberts (DWR 1342). Isolated from soil sample SS 11441. 28 May 2009. USA: Scurry County, Texas. N 32.71884, W 100.75037.
- 11144 DW Roberts (DWR 1343). Isolated from soil sample SS 11431. 4 Jun 2009. USA: Nolan County, Texas. N 32.37899, W 100.1753.
- 11145 DW Roberts (DWR 1348). Isolated from soil sample SS 9626. 26 Jun 2008. USA: Montezuma County, Colorado. N 37.55948, W 108.03811.
- 11146 DW Roberts (DWR 1349). Isolated from soil sample SS 9695. 22 Jul 2008. USA: Jackson County, Colorado. N 40.94356, W 106.34774.
- 11147 DW Roberts (DWR 1350). Isolated from soil sample SS 1150. 28 Sep 2007. USA: Gila County, Arizona. N 33.0587, W 110.72032.
- 11148 DW Roberts (DWR 1351). Isolated from soil sample SS 9690. 22 Jul 2008. USA: Jackson County, Colorado. N 40.87187, W 106.29078.
- 11149 DW Roberts (DWR 1352). Isolated from soil sample SS 11674. 20 May 2009. USA: Elko County, Nevada. N 41.469018, W 116.03595.
- 11150 DW Roberts (DWR 1354). Isolated from soil sample SS 9694. 22 Jul 2008. USA: Jackson County, Colorado. N 40.99107, W 106.21288.
- 11151 DW Roberts (DWR 1357). Isolated from soil sample SS 11698, colony 1. 27 Apr 2009. USA: Eureka County, Nevada. N 39.841835, W 116.19395.
- 11152 DW Roberts (DWR 1358). Isolated from soil sample SS 11698, colony 2. 27 Apr 2009. USA: Eureka County, Nevada. N 39.841835, W 116.19395.
- 11153 DW Roberts (DWR 1359). Isolated from soil sample SS 11833. 18 Mar 2009. USA: Pershing County, Nevada. N 40.66637, W 118.07279.
- 11154 DW Roberts (DWR 1363). Isolated from soil sample SS 8390. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.996666, W 102.66832.
- 11155 DW Roberts (DWR 1364). Isolated from soil sample SS 8408. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.765838, W 102.59197.
- 11156 DW Roberts (DWR 1365). Isolated from soil sample SS 8327. 2 Jul 2008. USA: Kiowa County, Colorado. N 38.397335, W 102.3079.
- 11157 DW Roberts (DWR 1366). Isolated from soil sample SS 8320. 1 Jul 2008. USA: Yuma County, Colorado. N 39.643193, W 102.43928.
- 11158 DW Roberts (DWR 1367). Isolated from soil sample SS 8408. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.765838, W 102.59197.
- 11159 DW Roberts (DWR 1368). Isolated from soil sample SS 8395. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.813191, W 102.57437.
- 11160 DW Roberts (DWR 1369). Isolated from soil sample SS 8403. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.898251, W 102.38876.
- 11161 DW Roberts (DWR 1370). Isolated from soil sample SS 8390. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.996666, W 102.66832.
- 11162 DW Roberts (DWR 1371). Isolated from soil sample SS 8317. 1 Jul 2008. USA: Yuma County, Colorado. N 39.70292, W 102.24919.
- 11163 DW Roberts (DWR 1372). Isolated from soil sample SS 8326. 2 Jul 2008. USA: Kiowa County, Colorado. N 38.462816, W 102.32058.
- 11164 DW Roberts (DWR 1373). Isolated from soil sample SS 8458. 13 Jul 2008. USA: Bent County, Colorado. N 38.085038, W 103.22506.
- 11165 DW Roberts (DWR 1400). Isolated from soil sample SS 8590. 29 Jun 2008. USA: Cheyenne County, Colorado. N 38.740283, W 102.089948.
- 11166 DW Roberts (DWR 1401). Isolated from soil sample SS 8592. 30 Jun 2008. USA: Cheyenne County, Colorado. N 39.01625, W 102.279193.
- 11167 DW Roberts (DWR 1402). Isolated from soil sample SS 11488. 12 May 2009. USA: Duchesne County, Utah. N 40.1531, W 110.0112.
- 11168 DW Roberts (DWR 1403). Isolated from soil sample SS 8314. 1 Jul 2008. USA: Yuma County, Colorado. N 39.926986, W 102.241988.
- 11169 DW Roberts (DWR 1404). Isolated from soil sample SS 8374. 3 Jun 2008. USA: Baca County, Colorado. N 37.018191, W 102.436013.
- 11170 DW Roberts (DWR 1405). Isolated from soil sample SS 8391. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.939455, W 102.649135.
- 11171 DW Roberts (DWR 1406). Isolated from soil sample SS 8407. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.86137, W 102.537515.
- 11172 DW Roberts (DWR 1423). Isolated from soil sample SS 11988. 9 Jun 2009. USA: Piute County, Utah. N 38.4438, W 112.1308.

- 11173 DW Roberts (DWR 1424). Isolated from soil sample SS 8779. 10 Jul 2008. USA: Costilla County, Colorado. N 37.610478, W 105.225911.
- 11174 DW Roberts (DWR 1425). Isolated from soil sample SS 9955. 26 Aug 2008. USA: Finney County, Kansas. N 38.05913, W 100.40411.
- 11175 DW Roberts (DWR 1426). Isolated from soil sample SS 8535. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.492468, W 102.216798.
- 11176 DW Roberts (DWR 1427). Isolated from soil sample SS 8418. 3 Jun 2008. USA: Baca County, Colorado. N 37.418545, W 102.765126.
- 11177 DW Roberts (DWR 1428). Isolated from soil sample SS 10326. 29 Jul 2008. USA: Kearny County, Kansas. N 37.953923, W 101.1569383.
- 11178 DW Roberts (DWR 1429). Isolated from soil sample SS 8644. 2 Jul 2008. USA: Las Animas County, Colorado. N 37.016103, W 103.82723.
- 11179 DW Roberts (DWR 1430). Isolated from soil sample SS 8553. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.39707, W 102.96961.
- 11180 DW Roberts (DWR 1431). Isolated from soil sample SS 8562. 19 Jun 2008. USA: Cheyenne County, Colorado. N 38.952781, W 102.796461.
- 11181 DW Roberts (DWR 1432). Isolated from soil sample SS 8575. 29 Jun 2008. USA: Kiowa County, Colorado. N 38.397423, W 102.436726.
- 11182 DW Roberts (DWR 1433). Isolated from soil sample SS 8478. 12 Jul 2008. USA: Kiowa County, Colorado. N 38.384478, W 102.913818.
- 11183 DW Roberts (DWR 1434). Isolated from soil sample SS 8552. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.367725, W 102.987363.
- 11184 DW Roberts (DWR 1435). Isolated from soil sample SS 8673. 4 Jun 2008. USA: Baca County, Colorado. N 37.557156, W 102.631976.
- 11185 DW Roberts (DWR 1436). Isolated from soil sample SS 8698. 24 Jun 2008. USA: Las Animas County, Colorado. N 37.386477, W 104.238425.
- 11187 DW Roberts (DWR 1438). Isolated from soil sample SS 9825. 10 Oct 2008. USA: Box Elder County, Utah. N 41.55428, W 113.26896.
- 11188 DW Roberts (DWR 1439). Isolated from soil sample SS 9895. 14 Oct 2008. USA: Holt County, Nebraska.
- 11189 DW Roberts (DWR 1440). Isolated from soil sample SS 10054. 7 Aug 2008. USA: Phillips County, Kansas. N 39.988225, W 99.089653.
- 11190 DW Roberts (DWR 1441). Isolated from soil sample SS 10136. 4 Aug 2008. USA: Decatur County, Kansas. N 39.770165, W 100.5156816.
- 11191 DW Roberts (DWR 1442). Isolated from soil sample SS 10139. 4 Aug 2008. USA: Decatur County, Kansas. N 39.632922, W 100.72246.
- 11192 DW Roberts (DWR 1443). Isolated from soil sample SS 10188. 22 Jul 2008. USA: Barber County, Kansas. N 37.145378, W 98.67418.
- 11193 DW Roberts (DWR 1444). Isolated from soil sample SS 10387. 4 Aug 2008. USA: Rawlins County, Kansas. N 39.872905, W 101.149005.
- 11194 DW Roberts (DWR 1445). Isolated from soil sample SS 10788. 5 Aug 2008. USA: Elko County, Nevada. N 41.124728, W 114.125097.
- 11195 DW Roberts (DWR 1455). Isolated from soil sample SS 10514. 12 Aug 2008. USA: Lander County, Nevada. N 39.895445, W 117.111895.
- 11196 DW Roberts (DWR 1456). Isolated from soil sample SS 10553. 20 Aug 2008. USA: Nye County, Nevada. N 38.627545, W 117.770778.
- 11197 DW Roberts (DWR 1457). Isolated from soil sample SS 10332. 31 Jul 2008. USA: Hodgeman County, Kansas. N 38.247363, W 99.82819833.
- 11198 DW Roberts (DWR 1458). Isolated from soil sample SS 10334. 4 Aug 2008. USA: Clark County, Kansas. N 37.159618, W 99.64737.
- 11199 DW Roberts (DWR 1459). Isolated from soil sample SS 12080. 17 Jun 2009. USA: Callahan County, Texas. N 32.50322, W 99.54539.
- 11200 DW Roberts (DWR 1460). Isolated from soil sample SS 12082. 18 Jun 2009. USA: Runnels County, Texas. N 31.84836, W 100.02679.
- 11201 DW Roberts (DWR 1461). Isolated from soil sample SS 12070. 10 Jun 2009. USA: Collingsworth County, Texas. N 35.10693, W 100.52151.
- 11202 DW Roberts (DWR 1462). Isolated from soil sample SS 12066. 9 Jun 2009. USA: Wheeler County, Texas. N 35.39819, W 100.37889.
- 11203 DW Roberts (DWR 1463). Isolated from soil sample SS 12065. 9 Jun 2009. USA: Wheeler County, Texas. N 35.49702, W 100.12129.
- 11204 DW Roberts (DWR 1464). Isolated from soil sample SS 12077. 17 Jun 2009. USA: Callahan County, Texas. N 32.41948, W 99.158.
- 11205 DW Roberts (DWR 1465). Isolated from soil sample SS 12072. 10 Jun 2009. USA: Collingsworth County, Texas. N 34.88573, W 100.06611.
- 11206 DW Roberts (DWR 1466). Isolated from soil sample SS 12042. 11 Jun 2009. USA: Kane County, Utah. N 37.3723, W 111.3639.
- 11207 DW Roberts (DWR 1467). Isolated from soil sample SS 12068. 9 Jun 2009. USA: Wheeler County, Texas. N 35.32803, W 100.18532.
- 11208 DW Roberts (DWR 1476). Isolated from soil sample SS 10796. 5 Aug 2008. USA: Elko County, Nevada. N 41.170338, W 114.885062.
- 11209 DW Roberts (DWR 1477). Isolated from soil sample SS 10764. 22 Jul 2008. USA: Esmeralda County, Nevada. N 37.436782, W 117.551692.
- 11210 DW Roberts (DWR 1478). Isolated from soil sample SS 11918. 18 Mar 2009. USA: Humboldt County, Nevada. N 41.007055, W 117.735212.

- 11211 DW Roberts (DWR 1479). Isolated from soil sample SS 11775. 6 Apr 2009. USA: Elko County, Nevada. N 41.277092, W 116.11203.
- 11212 DW Roberts (DWR 1480). Isolated from soil sample SS 12114. Jun 2009. USA: Randall County, Texas. N 34.80714, W 101.70441.
- 11213 DW Roberts (DWR 1481). Isolated from soil sample SS 12115. Jun 2009. USA: Potter County, Texas. N 35.57323, W 101.95019.
- 11214 DW Roberts (DWR 1482). Isolated from soil sample SS 12119. 16 Jun 2009. USA: Crockett County, Texas. N 31.01011, W 101.16763.
- 11215 DW Roberts (DWR 1483). Isolated from soil sample SS 12122. 16 Jun 2009. USA: Crockett County, Texas. N 30.94472, W 101.46172.
- 11216 DW Roberts (DWR 1484). Isolated from soil sample SS 12351. 29 Jun 2009. USA: San Juan County, Utah. N 37.5031, W 110.4027.
- 11217 DW Roberts (DWR 1485). Isolated from soil sample SS 12558. 17 Jul 2009. USA: Cochise County, Arizona. N 31.75044, W 109.35887.
- 11218 DW Roberts (DWR 1486). Isolated from soil sample SS 13818. 10 Jun 2009. USA: Logan County, Colorado. N 40.847525, W 103.407428.
- 11219 DW Roberts (DWR 1487). Isolated from soil sample SS 13818. 10 Jun 2009. USA: Logan County, Colorado. N 40.702351, W 103.306841.
- 11220 DW Roberts (DWR 1488). Isolated from soil sample SS 13821. 10 Jun 2009. USA: Logan County, Colorado. N 40.793011, W 103.516806.
- 11221 DW Roberts (DWR 1492). Isolated from soil sample SS 12131. 16 Jun 2009. USA: Moore County, Texas. N 35.69076, W 102.05242.
- 11222 DW Roberts (DWR 1493). Isolated from soil sample SS 12822. 17 Jul 2009. USA: Gila County, Arizona. N 33.576428, W 110.163593.
- 11223 DW Roberts (DWR 1494). Isolated from soil sample SS 12051. 11 Jun 2009. USA: Kane County, Utah. N 37.3339, W 111.3756.
- 11224 DW Roberts (DWR 1495). Isolated from soil sample SS 12063. 8 Jun 2009. USA: Childress County, Texas. N 34.41707, W 100.22907.
- 11225 DW Roberts (DWR 1496). Isolated from soil sample SS 12685. Jul 2009. USA: Iron County, Utah. N 38.0833, W 113.5801.
- 11226 DW Roberts (DWR 1497). Isolated from soil sample SS 12939. 20 Jul 2009. USA: Millard County, Utah. N 39.3211, W 112.1624.
- 11227 DW Roberts (DWR 1498). Isolated from soil sample SS 12183. 26 May 2009. USA: Elko County, Nevada. N 41.118503, W 115.861508.
- 11228 DW Roberts (DWR 1499). Isolated from soil sample SS 12203. 16 Jun 2009. USA: Elko County, Nevada. N 41.827582, W 115.997127.
- 11229 DW Roberts (DWR 1500). Isolated from soil sample SS 12211. 17 Jun 2009. USA: Elko County, Nevada. N 41.91063, W 115.44952.
- 11230 DW Roberts (DWR 1501). Isolated from soil sample SS 12450. 7 Jul 2009. USA: San Juan County, Utah. N 38.0215, W 109.2458.
- 11231 DW Roberts (DWR 1502). Isolated from soil sample SS 12873. 7 Jul 2009. USA: Mohave County, Arizona. N 36.289238, W 113.064198.
- 11232 DW Roberts (DWR 1503). Isolated from soil sample SS 12877. 7 Jul 2009. USA: Mohave County, Arizona. N 36.752473, W 113.549073.
- 11233 DW Roberts (DWR 1504). Isolated from soil sample SS 12889. 17 Jul 2009. USA: Graham County, Arizona. N 33.453457, W 109.871571.
- 11234 DW Roberts (DWR 1505). Isolated from soil sample SS 12901. 8 Jul 2009. USA: Graham County, Arizona. N 33.423351, W 109.750172.
- 11235 DW Roberts (DWR 1508). Isolated from soil sample SS 12311. 18 Jun 2009. USA: Beaver County, Utah. N 38.5548, W 114.0456.
- 11236 DW Roberts (DWR 1509). Isolated from soil sample SS 12526. 9 Jul 2009. USA: San Juan County, Utah. N 37.5211, W 109.14590000.
- 11237 DW Roberts (DWR 1510). Isolated from soil sample SS 12579. 1 Jul 2009. USA: Martin County, Texas. N 32.22354, W 102.08802.
- 11238 DW Roberts (DWR 1511). Isolated from soil sample SS 12850. 17 Jul 2009. USA: Graham County, Arizona. N 33.434782, W 109.827193.
- 11239 DW Roberts (DWR 1512). Isolated from soil sample SS 12886. 17 Jul 2009. USA: Graham County, Arizona. N 33.290792, W 109.908619.
- 11240 DW Roberts (DWR 1513). Isolated from soil sample SS 13792. 9 Jun 2009. USA: Weld County, Colorado. N 40.716201, W 103.859375.
- 11241 DW Roberts (DWR 1514). Isolated from soil sample SS 12925. Jul 2009. USA: Mohave County, Arizona. N 36.694467, W 113.770869.
- 11242 DW Roberts (DWR 1515). Isolated from soil sample SS 13681. 29 Jul 2009. USA: Kane County, Utah. N 37.1728, W 112.265.
- 11243 DW Roberts (DWR 1521). Isolated from soil sample SS 13919. 12 Jun 2009. USA: Logan County, Colorado. N 40.677815, W 103.107483.
- 11244 DW Roberts (DWR 1522). Isolated from soil sample SS 13950. 4 Jun 2009. USA: Morgan County, Colorado. N 40.07486, W 103.514446.
- 11245 DW Roberts (DWR 1523). Isolated from soil sample SS 13131. 22 Jun 2009. USA: Weld County, Colorado. N 40.710246, W 104.905976.
- 11246 DW Roberts (DWR 1524). Isolated from soil sample SS 13519. 14 Jul 2009. USA: Power County, Idaho. N 42.613883, W 113.14522.

- 11247 DW Roberts (DWR 1525). Isolated from soil sample SS 13548. 16 Jul 2009. USA: Clark County, Idaho. N 44.298582, W 112.43086.
- 11248 DW Roberts (DWR 1526). Isolated from soil sample SS 13594. 23 Jul 2009. USA: Teton County, Idaho. N 43.897682, W 111.538743.
- 11249 DW Roberts (DWR 1529). Isolated from soil sample SS 13609. 24 Jul 2009. USA: Cassia County, Idaho. N 42.27894, W 113.8089.
- 11250 DW Roberts (DWR 1530). Isolated from soil sample SS 13634. 30 Jul 2009. USA: Jefferson County, Idaho. N 43.957491, W 112.682685.
- 11251 DW Roberts (DWR 1531). Isolated from soil sample SS 13746. 27 May 2009. USA: Washington County, Colorado. N 39.710556, W 103.318616.
- 11252 DW Roberts (DWR 1532). Isolated from soil sample SS 13763. 28 May 2009. USA: Washington County, Colorado. N 39.711976, W 103.12271.
- 11253 DW Roberts (DWR 1533). Isolated from soil sample SS 13964. 16 Jun 2009. USA: Logan County, Colorado. N 40.838093, W 102.86977.
- 11254 DW Roberts (DWR 1534). Isolated from soil sample SS 13985. 19 May 2009. USA: Washington County, Colorado. N 39.566743, W 103.65051.
- 11255 DW Roberts (DWR 1535). Isolated from soil sample SS 12799. 14 Jul 2009. USA: Mohave County, Arizona. N 36.284037, W 113.06888.
- 11256 DW Roberts (DWR 1536). Isolated from soil sample SS 13047. 19 Jul 2009. USA: Rich County, Utah. N 41.4205, W 111.1522.
- 11257 DW Roberts (DWR 1537). Isolated from soil sample SS 13099. 29 Jul 2009. USA: Grand County, Utah. N 39.2506, W 109.0925.
- 11258 DW Roberts (DWR 1538). Isolated from soil sample SS 14374. 4 Aug 2009. USA: Elko County, Nevada. N 41.856683, W 115.41202.
- 11259 DW Roberts (DWR 1539). Isolated from soil sample SS 13174. 22 Jun 2009. USA: Arapahoe County, Colorado. N 39.653608, W 104.15375.
- 11260 DW Roberts (DWR 1549). Isolated from soil sample SS 15014. 23 Jun 2009. USA: Bent County, Colorado. N 37.997661, W 102.77725.
- 11261 DW Roberts (DWR 1550). Isolated from soil sample SS 13988. 19 May 2009. USA: Washington County, Colorado. N 39.56656, W 103.31837.
- 11262 DW Roberts (DWR 1551). Isolated from soil sample SS 13997. 27 May 2009. USA: Yuma County, Colorado. N 39.85882, W 102.6334.
- 11263 DW Roberts (DWR 1552). Isolated from soil sample SS 14568. 21 Jun 2009. USA: La Plata County, Colorado. N 37.169325, W 107.66886.
- 11264 DW Roberts (DWR 1558). Isolated from soil sample SS 16144. 6 Aug 2009. USA: Judith Basin County, Montana. N 47.21421, W 110.03356.
- 11265 DW Roberts (DWR 1559). Isolated from soil sample SS 16145. 6 Aug 2009. USA: Judith Basin County, Montana. N 47.08446, W 109.8465.
- 11266 DW Roberts (DWR 1560). Isolated from soil sample SS 16164. 14 Jul 2009. USA: Dawson County, Montana. N 47.625151, W 105.00048.
- 11267 DW Roberts (DWR 1561). Isolated from soil sample SS 16051. 4 Aug 2009. USA: Blaine County, Montana. N 48.749288, W 108.49255.
- 11268 DW Roberts (DWR 1562). Isolated from soil sample SS 14775. 14 Jul 2009. USA: Moffat County, Colorado. N 40.979623, W 107.7204.
- 11269 DW Roberts (DWR 1563). Isolated from soil sample SS 12625. 22 Jun 2009. USA: Hartley County, Texas. N 35.71809, W 102.83618.
- 11270 DW Roberts (DWR 1564). Isolated from soil sample SS 16210. 14 Jul 2009. USA: Cascade County, Montana. N 47.322761, W 110.97031.
- 11271 DW Roberts (DWR 1565). Isolated from soil sample SS 16055. 3 Aug 2009. USA: Blaine County, Montana. N 48.025496, W 108.48635.
- 11272 DW Roberts (DWR 1566). Isolated from soil sample SS 16312. 12 Aug 2009. USA: Granite County, Montana. N 46.55597, W 113.29118.
- 11273 DW Roberts (DWR 1567). Isolated from soil sample SS 16220. 20 Jul 2009. USA: Madison County, Montana. N 45.237677, W 111.80864.
- 11274 DW Roberts (DWR 1568). Isolated from soil sample SS 16228. 22 Jul 2009. USA: Madison County, Montana. N 45.611196, W 112.50506.
- 11275 DW Roberts (DWR 1569). Isolated from soil sample SS 16318. 5 Aug 2009. USA: Powell County, Montana. N 46.28027, W 112.86974.
- 11276 DW Roberts (DWR 1570). Isolated from soil sample SS 16035. Jul 2009. USA: Big Horn County, Montana. N 45.528286, W 107.24025.
- 11277 DW Roberts (DWR 1571). Isolated from soil sample SS 16031. 13 Aug 2009. USA: Big Horn County, Montana. N 45.36713, W 107.65037.
- 11278 DW Roberts (DWR 1572). Isolated from soil sample SS 14020. Jun 2009. USA: Adams County, Colorado. N 39.898498, W 104.00014.
- 11279 DW Roberts (DWR 1573). Isolated from soil sample SS 14852. 5 Jun 2009. USA: Montezuma County, Colorado. N 37.322558, W 108.33483.
- 11280 DW Roberts (DWR 1574). Isolated from soil sample SS 12628. 22 Jun 2009. USA: Dallam County, Texas. N 36.45094, W 102.24559.
- 11281 DW Roberts (DWR 1575). Isolated from soil sample SS 12622. 26 Jun 2009. USA: Upton County, Texas. N 31.34226, W 101.82915.
- 11282 DW Roberts (DWR 1576). Isolated from soil sample SS 14008. 8 Jun 2009. USA: El Paso County, Colorado. N 38.594071, W 104.27408.

- 11283 DW Roberts (DWR 1577). Isolated from soil sample SS 14033. 22 Jun 2009. USA: Elbert County, Colorado. N 39.498288, W 104.2075.
- 11284 DW Roberts (DWR 1578). Isolated from soil sample SS 14753. 3 Jul 2009. USA: Montezuma County, Colorado. N 37.500765, W 108.79988.
- 11285 DW Roberts (DWR 1579). Isolated from soil sample SS 15060. 13 Jul 2009. USA: Rio Blanco County, Colorado. N 40.074821, W 107.3481.
- 11286 DW Roberts (DWR 1585). Isolated from soil sample SS 15015. 23 Jun 2009. USA: Baca County, Colorado. N 37.167548, W 102.43437.
- 11287 DW Roberts (DWR 1586). Isolated from soil sample SS 14761. 24 Jun 2009. USA: Rio Grande County, Colorado. N 37.54099, W 106.50782.
- 11288 DW Roberts (DWR 1587). Isolated from soil sample SS 12596. 25 Jun 2009. USA: Lipscomb County, Texas. N 36.0721, W 100.14867.
- 11289 DW Roberts (DWR 1588). Isolated from soil sample SS 12784. 28 Jun 2009. USA: Gilliam County, Oregon. N 45.81809, W 120.20735.
- 11290 DW Roberts (DWR 1589). Isolated from soil sample SS 12772. 23 Jun 2009. USA: Okanogan County, Washington. N 48.159, W 119.48957.
- 11291 DW Roberts (DWR 1590). Isolated from soil sample SS 12613. 22 Jun 2009. USA: Ward County, Texas. N 31.42937, W 103.0915.
- 11292 DW Roberts (DWR 1593). Isolated from soil sample SS 15298. 29 Jun 2009. USA: Buffalo County, South Dakota. N 44.1262, W 99.1267.
- 11293 DW Roberts (DWR 1594). Isolated from soil sample SS 15306. 18 Jun 2009. USA: Mellette County, South Dakota. N 43.7349, W 101.203.
- 11294 DW Roberts (DWR 1595). Isolated from soil sample SS 15266. 30 Jun 2009. USA: Ziebach County, South Dakota. N 45.029133, W 101.906793.
- 11295 DW Roberts (DWR 1596). Isolated from soil sample SS 16193. 14 Jul 2009. USA: Dawson County, Montana. N 47.297063, W 104.85078.
- 11296 DW Roberts (DWR 1597). Isolated from soil sample SS 15289. 16 Jun 2009. USA: Shannon County, South Dakota. N 43.1291, W 102.666.
- 11297 DW Roberts (DWR 1598). Isolated from soil sample SS 15313. 30 Jun 2009. USA: Dewey County, South Dakota. N 45.14019, W 100.692235.
- 11298 DW Roberts (DWR 1599). Isolated from soil sample SS 15260. 22 Jun 2009. USA: Custer County, South Dakota. N 43.4918, W 103.2528.
- 11299 DW Roberts (DWR 1600). Isolated from soil sample SS 16140. 3 Aug 2009. USA: Deer Lodge County, Montana. N 46.09601, W 112.82514.
- 11300 DW Roberts (DWR 1603). Isolated from soil sample SS 16281. 21 Jul 2009. USA: Carbon County, Montana. N 45.240483, W 108.671158.
- 11301 DW Roberts (DWR 1604). Isolated from soil sample SS 16134. 3 Aug 2009. USA: Phillips County, Montana. N 47.722983, W 108.66611.
- 11302 DW Roberts (DWR 1605). Isolated from soil sample SS 16194. 3 Aug 2009. USA: Blaine County, Montana. N 47.92736, W 108.72457.
- 11303 DW Roberts (DWR 1606). Isolated from soil sample SS 16266. 12 Aug 2009. USA: Toole County, Montana. N 48.319072, W 111.574653.
- 11304 DW Roberts (DWR 1607). Isolated from soil sample SS 17201. 4 Aug 2009. USA: Campbell County, Wyoming. N 44.36519, W 105.221293.
- 11305 DW Roberts (DWR 1608). Isolated from soil sample SS 17246. 13 Aug 2009. USA: Laramie County, Wyoming. N 41.345853, W 104.2145.
- 11306 DW Roberts (DWR 1609). Isolated from soil sample SS 17231. 28 Jul 2009. USA: Niobrara County, Wyoming. N 42.830322, W 104.481687.
- 11308 DW Roberts (DWR 1617). Isolated from soil sample SS 16023. 16 Jul 2009. USA: Big Horn County, Montana. N 45.809013, W 107.23184.
- 11309 DW Roberts (DWR 1618). Isolated from soil sample SS 16224. 21 Jul 2009. USA: Madison County, Montana. N 45.305033, W 112.07917.
- 11310 DW Roberts (DWR 1619). Isolated from soil sample SS 16245. 10 Aug 2009. USA: Toole County, Montana. N 48.4384, W 111.88335.
- 11311 DW Roberts (DWR 1620). Isolated from soil sample SS 16382. 13 Jul 2009. USA: Walla Walla County, Washington. N 46.35369, W 118.47751.
- 11312 DW Roberts (DWR 1621). Isolated from soil sample SS 14807. 21 May 2009. USA: San Miguel County, Colorado. N 38.010661, W 108.55278.
- 11313 DW Roberts (DWR 1622). Isolated from soil sample SS 15769. 16 Jun 2009. USA: Lyman County, South Dakota. N 43.9051, W 99.4774.
- 11314 DW Roberts (DWR 1623). Isolated from soil sample SS 16218. 20 Jul 2009. USA: Madison County, Montana. N 44.756398, W 111.46711.
- 11315 DW Roberts (DWR 1624). Isolated from soil sample SS 16398. 21 Jul 2009. USA: Klickitat County, Washington. N 45.82482, W 120.93659.
- 11316 DW Roberts (DWR 1625). Isolated from soil sample SS 17346. 26 Aug 2009. USA: Lander County, Nevada. N 40.185052, W 116.827103.
- 11317 DW Roberts (DWR 1626). Isolated from soil sample SS 15418. 30 Jun 2009. USA: Corson County, South Dakota. N 45.7605, W 100.86565.
- 11318 DW Roberts (DWR 1627). Isolated from soil sample SS 16372. 11 Aug 2009. USA: Okanogan County, Washington. N 48.22432, W 118.86334.
- 11319 DW Roberts (DWR 1628). Isolated from soil sample SS 17087. 10 Aug 2009. USA: Sheridan County, Wyoming. N 44.88868, W 107.540826.

- 11320 DW Roberts (DWR 1629). Isolated from soil sample SS 17088. 10 Aug 2009. USA: Johnson County, Wyoming. N 44.225669, W 106.990484.
- 11321 DW Roberts (DWR 1630). Isolated from soil sample SS 17024. 24 Aug 2009. USA: Jeff Davis County, Texas. N 30.97822, W 104.18124.
- 11322 DW Roberts (DWR 1631). Isolated from soil sample SS 17006. 30 Jun 2009. USA: Dawson County, Texas. N 32.87805, W 102.09524.
- 11323 DW Roberts (DWR 1632). Isolated from soil sample SS 17128. 20 Jul 2009. USA: Goshen County, Wyoming. N 41.784354, W 104.363303.
- 11324 DW Roberts (DWR 1633). Isolated from soil sample SS 17195. 3 Aug 2009. USA: Campbell County, Wyoming. N 44.0042, W 105.723083.
- 11325 DW Roberts (DWR 1634). Isolated from soil sample SS 17203. 6 Jul 2009. USA: Sheridan County, Wyoming. N 44.87741, W 106.257448.
- 11326 DW Roberts (DWR 1635). Isolated from soil sample SS 17628. 3 Jul 2009. USA: Cheyenne County, Colorado. N 38.988258, W 102.08999.
- 11327 DW Roberts (DWR 1636). Isolated from soil sample SS 14476. 8 Jul 2009. USA: Elko County, Nevada. N 41.892515, W 115.42958.
- 11328 DW Roberts (DWR 1637). Isolated from soil sample SS 15327. 29 Jun 2009. USA: Corson County, South Dakota. N 45.5221, W 100.5664.
- 11329 DW Roberts (DWR 1638). Isolated from soil sample SS 14480. 21 Jul 2009. USA: Elko County, Nevada. N 41.223465, W 116.0069.
- 11330 DW Roberts (DWR 1639). Isolated from soil sample SS 13896. 23 Jun 2009. USA: Elbert County, Colorado. N 39.491485, W 104.36741.
- 11331 DW Roberts (DWR 1640). Isolated from soil sample SS 14485. 22 Jul 2009. USA: Elko County, Nevada. N 40.626338, W 115.26707.
- 11332 DW Roberts (DWR 1641). Isolated from soil sample SS 17332. 18 Aug 2009. USA: Elko County, Nevada. N 41.537978, W 116.03364.
- 11333 DW Roberts (DWR 1642). Isolated from soil sample SS 17324. 11 Aug 2009. USA: Elko County, Nevada. N 41.887033, W 115.439387.
- 11334 DW Roberts (DWR 1643). Isolated from soil sample SS 14171. 14 Jul 2009. USA: Elko County, Nevada. N 41.1463, W 115.676663.
- 11335 DW Roberts (DWR 1644). Isolated from soil sample SS 15703. 1 Jun 2009. USA: Fall River County, South Dakota. N 43.2462, W 103.7994.
- 11336 DW Roberts (DWR 1645). Isolated from soil sample SS 15299. 29 Jun 2009. USA: Buffalo County, South Dakota. N 44.0964, W 99.2066.
- 11337 DW Roberts (DWR 1646). Isolated from soil sample SS 14472. 29 Jun 2009. USA: Washoe County, Nevada. N 40.200922, W 119.36967.
- 11338 DW Roberts (DWR 1647). Isolated from soil sample SS 15318. 1 Jul 2009. USA: Dewey County, South Dakota. N 45.422075, W 101.018412.
- 11339 DW Roberts (DWR 1648). Isolated from soil sample SS 15321. 1 Jul 2009. USA: Dewey County, South Dakota. N 45.438247, W 100.710113.
- 11340 DW Roberts (DWR 1649). Isolated from soil sample SS 15304. 18 Jun 2009. USA: Mellette County, South Dakota. N 43.664, W 101.0202.
- 11341 DW Roberts (DWR 1650). Isolated from soil sample SS 15464. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0054, W 98.9617.
- 11342 DW Roberts (DWR 1651). Isolated from soil sample SS 15462. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0389, W 99.076.
- 11343 DW Roberts (DWR 1661). Isolated from soil sample SS 14185. Jul 2009. USA: Elko County, Nevada. N 41.9088, W 116.060338.
- 11344 DW Roberts (DWR 1662). Isolated from soil sample SS 17535. 21 Jun 2009. USA: Baca County, Colorado. N 37.324903, W 102.44745 .
- 11345 DW Roberts (DWR 1663). Isolated from soil sample SS 14155. 5 Jun 2009. USA: El Paso County, Colorado. N 38.84639, W 104.0922.
- 11346 DW Roberts (DWR 1664). Isolated from soil sample SS 14159. 8 Jun 2009. USA: Idaho.
- 11347 DW Roberts (DWR 1665). Isolated from soil sample SS 14378. 26 May 2009. USA: Elko County, Nevada. N 41.177285, W 115.89577.
- 11348 DW Roberts (DWR 1666). Isolated from soil sample SS 14386. 28 May 2009. USA: Elko County, Nevada. N 41.855373, W 115.43918.
- 11349 DW Roberts (DWR 1667). Isolated from soil sample SS 14405. 8 Jul 2009. USA: Elko County, Nevada. N 41.843297, W 115.42236.
- 11350 DW Roberts (DWR 1668). Isolated from soil sample SS 14413. 8 Jul 2009. USA: Elko County, Nevada. N 41.83063, W 115.4229.
- 11351 DW Roberts (DWR 1669). Isolated from soil sample SS 14415. 9 Jul 2009. USA: Elko County, Nevada. N 41.258603, W 116.24275.
- 11352 DW Roberts (DWR 1670). Isolated from soil sample SS 14634. 18 Jun 2009. USA: San Juan County, Colorado. N 37.864293, W 107.72546.
- 11353 DW Roberts (DWR 1671). Isolated from soil sample SS 14638. 16 Jun 2009. USA: Delta County, Colorado. N 38.810863, W 108.0137.
- 11354 DW Roberts (DWR 1672). Isolated from soil sample SS 14644. 23 Jun 2009. USA: Montrose County, Colorado. N 38.461606, W 108.40994.
- 11355 DW Roberts (DWR 1673). Isolated from soil sample SS 14661. 2 Jul 2009. USA: Dolores County, Colorado. N 37.704541, W 108.00147.
- 11356 DW Roberts (DWR 1674). Isolated from soil sample SS 17176. 5 Aug 2009. USA: Campbell County, Wyoming. N 43.899137, W 105.254149.

- 11357 DW Roberts (DWR 1675). Isolated from soil sample SS 17184. 12 Aug 2009. USA: Sheridan County, Wyoming. N 44.908075, W 107.740069.
- 11358 DW Roberts (DWR 1676). Isolated from soil sample SS 17186. 13 Aug 2009. USA: Laramie County, Wyoming. N 41.023273, W 105.239257.
- 11359 DW Roberts (DWR 1677). Isolated from soil sample SS 17163. 21 Jul 2009. USA: Hot Springs County, Wyoming. N 43.707618, W 108.912476.
- 11360 DW Roberts (DWR 1678). Isolated from soil sample SS 14702. 7 Jul 2009. USA: Gunnison County, Colorado. N 38.231393, W 107.46755.
- 11361 DW Roberts (DWR 1679). Isolated from soil sample SS 14705. 8 Jul 2009. USA: Saguache County, Colorado. N 38.064908, W 106.37171.
- 11362 DW Roberts (DWR 1680). Isolated from soil sample SS 14713. 14 Jul 2009. USA: Hinsdale County, Colorado. N 37.810431, W 107.26626.
- 11363 DW Roberts (DWR 1681). Isolated from soil sample SS 14717. 16 Jul 2009. USA: San Miguel County, Colorado. N 38.085778, W 108.32068.
- 11364 DW Roberts (DWR 1682). Isolated from soil sample SS 15463. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0448, W 98.794.
- 11365 DW Roberts (DWR 1691). Isolated from soil sample SS 17647. 3 Jul 2009. USA: Cheyenne County, Colorado. N 38.898978, W 102.35258.
- 11366 DW Roberts (DWR 1692). Isolated from soil sample SS 17936. 10 Aug 2009. USA: Morrow County, Oregon.
- 11367 DW Roberts (DWR 1693). Isolated from soil sample SS 17904. 23 Aug 2009. USA: Deschutes County, Oregon.
- 11368 DW Roberts (DWR 1694). Isolated from soil sample SS 17618. 29 Jun 2009. USA: Kiowa County, Colorado. N 38.542101, W 102.98883.
- 11369 DW Roberts (DWR 1695). Isolated from soil sample SS 17621. 29 Jun 2009. USA: Lincoln County, Colorado. N 38.553315, W 103.23553.
- 11370 DW Roberts (DWR 1696). Isolated from soil sample SS 17628. 3 Jul 2009. USA: Cheyenne County, Colorado. N 38.988258, W 102.08999.
- 11371 DW Roberts (DWR 1697). Isolated from soil sample SS 17636. 3 Jul 2009. USA: Kit Carson County, Colorado. N 39.555528, W 102.07035.
- 11372 DW Roberts (DWR 1698). Isolated from soil sample SS 17645. 3 Jul 2009. USA: Kit Carson County, Colorado. N 39.272181, W 102.25988.
- 11373 DW Roberts (DWR 1711). Isolated from soil sample SS 15946. 28 Jul 2009. USA: Lewis and Clark County, Montana. N 47.420618, W 112.22632.
- 11374 DW Roberts (DWR 1712). Isolated from soil sample SS 15925. 12 Aug 2009. USA: Okanogan County, Washington. N 48.63146, W 119.149493.
- 11375 DW Roberts (DWR 1713). Isolated from soil sample SS 14292. 29 Jul 2009. USA: Bear Lake County, Idaho. N 42.1938, W 111.1523.
- 11376 DW Roberts (DWR 1724). Isolated from soil sample SS 15688. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.3286, W 100.186.
- 11377 DW Roberts (DWR 1725). Isolated from soil sample SS 17789. Jul 2009. USA: Kit Carson County, Colorado. N 39.081441, W 102.18557.
- 11378 DW Roberts (DWR 1726). Isolated from soil sample SS 17480. 16 Jun 2009. USA: Baca County, Colorado. N 37.193018, W 102.05834.
- 11379 DW Roberts (DWR 1727). Isolated from soil sample SS 15555. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.302, W 101.5336.
- 11380 DW Roberts (DWR 1728). Isolated from soil sample SS 16467. 26 Aug 2009. USA: Cochise County, Arizona. N 31.51004, W 109.260908.
- 11381 DW Roberts (DWR 1729). Isolated from soil sample SS 17500. 17 Jun 2009. USA: Cheyenne County, Colorado. N 38.952823, W 102.79681.
- 11382 DW Roberts (DWR 1730). Isolated from soil sample SS 17665. 4 Jul 2009. USA: Bent County, Colorado. N 38.099185, W 102.86141.
- 11383 DW Roberts (DWR 1731). Isolated from soil sample SS 17888. 18 Aug 2009. USA: Oregon.
- 11384 DW Roberts (DWR 1732). Isolated from soil sample SS 17758. 9 Jul 2009. USA: Yuma County, Colorado. N 39.791913, W 102.37043.
- 11385 DW Roberts (DWR 1733). Isolated from soil sample SS 17906. 11 Aug 2009. USA: Gilliam County, Oregon.
- 11386 DW Roberts (DWR 1734). Isolated from soil sample SS 17741. 7 Jul 2009. USA: Kit Carson County, Colorado. N 39.430955, W 102.35264.
- 11388 DW Roberts (DWR 1736). Isolated from soil sample SS 17795. Jul 2009. USA: Prowers County, Colorado. N 38.158551, W 102.37592.
- 11389 DW Roberts (DWR 1737). Isolated from soil sample SS 13507. 10 Jun 2009. USA: El Paso County, Colorado. N 38.838996, W 104.295.
- 11390 DW Roberts (DWR 1738). Isolated from soil sample SS 13490. 19 May 2009. USA: Kit Carson County, Colorado. N 39.068675, W 102.7987.
- 11391 DW Roberts (DWR 1739). Isolated from soil sample SS 13499. 5 Jun 2009. USA: El Paso County, Colorado. N 38.696536, W 104.1076.
- 11392 DW Roberts (DWR 1745). Isolated from soil sample SS 15136. 25 Jun 2009. USA: Huerfano County, Colorado. N 37.805756, W 104.65373.
- 11393 DW Roberts (DWR 1746). Isolated from soil sample SS 17624. 29 Jun 2009. USA: Kiowa County, Colorado. N 38.396435, W 103.0249.
- 11394 DW Roberts (DWR 1747). Isolated from soil sample SS 17623. 29 Jun 2009. USA: Kiowa County, Colorado. N 38.455333, W 103.05291.

- 11395 DW Roberts (DWR 1748). Isolated from soil sample SS 17633. 3 Jul 2009. USA: Kit Carson County, Colorado. N 39.326951, W 102.07186.
- 11396 DW Roberts (DWR 1749). Isolated from soil sample SS 15343. 1 Jul 2009. USA: Corson County, South Dakota. N 45.67553, W 101.14145.
- 11397 DW Roberts (DWR 1750). Isolated from soil sample SS 16771. 18 Aug 2009. USA: Graham County, Arizona. N 33.273211, W 109.853698.
- 11398 DW Roberts (DWR 1751). Isolated from soil sample SS 17682. 5 Jul 2009. USA: Bent County, Colorado. N 38.23302, W 103.27758.
- 11399 DW Roberts (DWR 1752). Isolated from soil sample SS 15525. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.364, W 99.6923.
- 11400 DW Roberts (DWR 1753). Isolated from soil sample SS 17361. 30 Jun 2009. USA: Hidalgo County, New Mexico. N 31.34791, W 108.53088.
- 11401 DW Roberts (DWR 1754). Isolated from soil sample SS 15490. 30 Jun 2009. USA: Dewey County, South Dakota. N 45.184845, W 100.38414.
- 11402 DW Roberts (DWR 1755). Isolated from soil sample SS 17549. 21 Jun 2009. USA: Baca County, Colorado. N 37.327833, W 102.27693.
- 11403 DW Roberts (DWR 1756). Isolated from soil sample SS 16551. 2 Sep 2009. USA: Santa Cruz County, Arizona. N 31.450947, W 110.729712.
- 11404 DW Roberts (DWR 1757). Isolated from soil sample SS 16543. 1 Sep 2009. USA: Santa Cruz County, Arizona. N 31.294418, W 110.5916.
- 11405 DW Roberts (DWR 1758). Isolated from soil sample SS 15151. Jul 2009. USA: Fremont County, Colorado. N 38.308841, W 105.62057.
- 11406 DW Roberts (DWR 1759). Isolated from soil sample SS 17968. 12 Aug 2009. USA: Sherman County, Oregon.
- 11407 DW Roberts (DWR 1760). Isolated from soil sample SS 17844. 4 Aug 2009. USA: Oregon.
- 11408 DW Roberts (DWR 1761). Isolated from soil sample SS 15397. 16 Jun 2009. USA: Mellette County, South Dakota. N 43.4419, W 100.293.
- 11409 DW Roberts (DWR 1762). Isolated from soil sample SS 17568. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.322571, W 102.61857.
- 11410 DW Roberts (DWR 1768). Isolated from soil sample SS 17456. 8 Jun 2009. USA: Prowers County, Colorado. N 38.144516, W 102.11931.
- 11411 DW Roberts (DWR 1769). Isolated from soil sample SS 17460. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.470506, W 102.0873.
- 11412 DW Roberts (DWR 1770). Isolated from soil sample SS 17607. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.76903, W 102.25818.
- 11413 DW Roberts (DWR 1772). Isolated from soil sample SS 17596. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.82461, W 102.53754.
- 11414 DW Roberts (DWR 1773). Isolated from soil sample SS 15935. 12 Aug 2009. USA: Hill County, Montana. N 48.827215, W 110.5542.
- 11415 DW Roberts (DWR 1774). Isolated from soil sample SS 15960. 4 Aug 2009. USA: Pondera County, Montana. N 48.380816, W 112.28488.
- 11416 DW Roberts (DWR 1775). Isolated from soil sample SS 17463. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.58839, W 102.19849.
- 11417 DW Roberts (DWR 1776). Isolated from soil sample SS 14299. 30 Jul 2009. USA: Franklin County, Idaho. N 42.2691, W 111.7455.
- 11418 DW Roberts (DWR 1777). Isolated from soil sample SS 17590. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.881315, W 102.64924.
- 11419 DW Roberts (DWR 1778). Isolated from soil sample SS 14276. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.5926, W 111.6256.
- 11420 DW Roberts (DWR 1779). Isolated from soil sample SS 14300. 30 Jul 2009. USA: Franklin County, Idaho. N 42.1528, W 111.8261.
- 11421 DW Roberts (DWR 1780). Isolated from soil sample SS 15964. 5 Aug 2009. USA: Teton County, Montana. N 48.094881, W 112.26417.
- 11422 DW Roberts (DWR 1781). Isolated from soil sample SS 14296. 29 Jul 2009. USA: Bear Lake County, Idaho. N 42.3946, W 111.0741.
- 11423 DW Roberts (DWR 1782). Isolated from soil sample SS 17594. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.983825, W 102.53774.
- 11424 DW Roberts (DWR 1783). Isolated from soil sample SS 17593. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.996418, W 102.6114.
- 11425 DW Roberts (DWR 1784). Isolated from soil sample SS 17446. 7 Jun 2009. USA: Lincoln County, Colorado. N 38.661975, W 103.35625.
- 11426 DW Roberts (DWR 1785). Isolated from soil sample SS 16571. 17 Aug 2009. USA: Graham County, Arizona. N 33.358002, W 109.932808.
- 11427 DW Roberts (DWR 1786). Isolated from soil sample SS 13212. 29 May 2009. USA: Lincoln County, Colorado. N 39.185321, W 103.49115.
- 11428 DW Roberts (DWR 1787). Isolated from soil sample SS 13492. 29 May 2009. USA: Lincoln County, Colorado. N 39.447876, W 103.49147.
- 11429 DW Roberts (DWR 1788). Isolated from soil sample SS 13496, colony 1. 5 Jun 2009. USA: Elbert County, Colorado. N 39.075975.
- 11430 DW Roberts (DWR 1789). Isolated from soil sample SS 13496, colony 2. 5 Jun 2009. USA: Elbert County, Colorado.
- 11431 DW Roberts (DWR 1790). Isolated from soil sample SS 13508. 10 Jun 2009. USA: El Paso County, Colorado.

- 11432 DW Roberts (DWR 1791). 10 Jun 2009. USA: El Paso County, Colorado.
- 11433 DW Roberts (DWR 1792). 31 May 2009.
- 11434 DW Roberts (DWR 1793). Isolated from soil sample SS 16063. 13 Jul 2009. USA: Chouteau County, Montana. N 47.991665, W 111.1306.
- 11435 DW Roberts (DWR 1794). Isolated from soil sample SS 16106. Jul 2009. USA: Sheridan County, Montana. N 48.820291, W 104.9839.
- 11436 DW Roberts (DWR 1795). Isolated from soil sample SS 16118. 22 Jul 2009. USA: Wheatland County, Montana. N 46.464406, W 109.8629.
- 11437 DW Roberts (DWR 1796). Isolated from soil sample SS 16127. 29 Jul 2009. USA: Wibaux County, Montana. N 47.31065, W 104.2362.
- 11438 DW Roberts (DWR 1797). Isolated from soil sample SS 16493. 22 Jul 2009. USA: Coconino County, Arizona. N 35.765638, W 112.28319.
- 11439 DW Roberts (DWR 1798). Isolated from soil sample SS 17477. 16 Jun 2009. USA: Baca County, Colorado. N 37.398595, W 102.0918.
- 11440 DW Roberts (DWR 1799). Isolated from soil sample SS 17494. 17 Jun 2009. USA: Kiowa County, Colorado. N 38.498753, W 102.7853.
- 11441 DW Roberts (DWR 1800). Isolated from soil sample SS 17505. 17 Jun 2009. USA: Cheyenne County, Colorado. N 38.965531, W 103.1081.
- 11442 DW Roberts (DWR 1801). Isolated from soil sample SS 17768. 9 Jul 2009. USA: Yuma County, Colorado. N 39.676836, W 102.4622.
- 11443 DW Roberts (DWR 1802). Isolated from soil sample SS 17778. Jul 2009. USA: Cheyenne County, Colorado. N 38.900521, W 102.2688.
- 11444 DW Roberts (DWR 1803). Isolated from soil sample SS 17779. Jul 2009. USA: Cheyenne County, Colorado. N 38.958283, W 102.2593.
- 11445 DW Roberts (DWR 1804). Isolated from soil sample SS 17833. 19 Aug 2009. USA: Oregon.
- 11446 DW Roberts (DWR 1805). Isolated from soil sample SS 18010. 30 Jul 2009. USA: Union County, Oregon.
- 11447 DW Roberts (DWR 1806). Isolated from soil sample SS 18040. 4 Nov 2009. USA: Ada County, Idaho. N 43.39675, W 116.4179.
- 11448 DW Roberts (DWR 1807). Isolated from soil sample SS 18042. 4 Nov 2009. USA: Ada County, Idaho. N 43.35104, W 116.32624.
- 11449 DW Roberts (DWR 1816). Isolated from soil sample SS 15677. 1 Jun 2009. USA: Gregory County, South Dakota. N 43.39173, W 99.435.
- 11450 DW Roberts (DWR 1817). Isolated from soil sample SS 15408. 29 Jun 2009. USA: Buffalo County, South Dakota. N 44.0839, W 99.2064.
- 11451 DW Roberts (DWR 1818). Isolated from soil sample SS 13412. 19 May 2009. USA: Kit Carson County, Colorado. N 39.164448, W 102.4637.
- 11452 DW Roberts (DWR 1819). Isolated from soil sample SS 13410. 20 May 2009. USA: Kit Carson County, Colorado. N 39.053513, W 102.9579.
- 11453 DW Roberts (DWR 1820). Isolated from soil sample SS 13408. 20 May 2009. USA: Kit Carson County, Colorado. N 39.421716, W 102.742.
- 11454 DW Roberts (DWR 1821). Isolated from soil sample SS 13389. 16 Jun 2009. USA: Mesa County, Colorado. N 39.278945, W 108.3623.
- 11455 DW Roberts (DWR 1822). Isolated from soil sample SS 15918. 20 Aug 2009. USA: Whitman County, Washington. N 46.62006, W 117.33241.
- 11456 DW Roberts (DWR 1823). Isolated from soil sample SS 16721. 20 Jul 2009. USA: Coconino County, Arizona. N 35.259923, W 111.70945.
- 11457 DW Roberts (DWR 1824). Isolated from soil sample SS 15376. 17 Jun 2009. USA: Bennett County, South Dakota. N 43.3601, W 101.7019.
- 11458 DW Roberts (DWR 1825). Isolated from soil sample SS 13291. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.068076, W 105.0862.
- 11459 DW Roberts (DWR 1826). Isolated from soil sample SS 15681. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.286, W 99.0704.
- 11460 DW Roberts (DWR 1827). Isolated from soil sample SS 13395. 29 May 2009. USA: Lincoln County, Colorado. N 39.219763, W 103.4912.
- 11461 DW Roberts (DWR 1828). Isolated from soil sample SS 15592. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.234, W 99.2967.
- 11462 DW Roberts (DWR 1829). Isolated from soil sample SS 15593. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.226, W 99.364.
- 11463 DW Roberts (DWR 1830). Isolated from soil sample SS 15608. 4 Jun 2009. USA: Lyman County, South Dakota. N 44.1224, W 100.3415.
- 11464 DW Roberts (DWR 1831). Isolated from soil sample SS 16659. 4 Aug 2009. USA: Cochise County, Arizona. N 31.447734, W 110.30693.
- 11465 DW Roberts (DWR 1832). Isolated from soil sample SS 15105. Jul 2009. USA: Fremont County, Colorado. N 38.656265, W 105.668.
- 11466 DW Roberts (DWR 1833). Isolated from soil sample SS 16836. 19 Aug 2009. USA: Graham County, Arizona. N 33.412627, W 109.64712.
- 11467 DW Roberts (DWR 1834). Isolated from soil sample SS 16022. 5 Aug 2009. USA: Jefferson County, Montana. N 45.932318, W 111.8465.
- 11468 DW Roberts (DWR 1835). Isolated from soil sample SS 16541. 1 Sep 2009. USA: Cochise County, Arizona. N 31.35026, W 110.27562.
- 11469 DW Roberts (DWR 1836). Isolated from soil sample SS 16916. 3 Aug 2009. USA: Coconino County, Arizona. N 35.067359, W 111.51112.

- 11470 DW Roberts (DWR 1837). Isolated from soil sample SS 16019. 22 Jul 2009. USA: Golden Valley County, Montana. N 46.333411, W 108.9465.
- 11471 DW Roberts (DWR 1838). Isolated from soil sample SS 18077. Sep 2009. USA: Eureka County, Nevada. N 39.901868, W 116.5837.
- 11472 DW Roberts (DWR 1839). Isolated from soil sample SS 17453. 8 Jun 2009. USA: Prowers County, Colorado. N 38.06344, W 102.3555.
- 11473 DW Roberts (DWR 1840). Isolated from soil sample SS 16834. 19 Aug 2009. USA: Graham County, Arizona. N 33.449064, W 109.63713.
- 11474 DW Roberts (DWR 1841). Isolated from soil sample SS 17439. 7 Jun 2009. USA: Kiowa County, Colorado. N 38.386008, W 103.4875.
- 11475 DW Roberts (DWR 1842). Isolated from soil sample SS 16534. 1 Sep 2009. USA: Santa Cruz County, Arizona. N 31.440172, W 110.65206.
- 11476 DW Roberts (DWR 1843). Isolated from soil sample SS 14174. 14 Jul 2009. USA: Elko County, Nevada. N 41.84286, W 115.95084.
- 11477 DW Roberts (DWR 1846). Isolated from soil sample SS 15164. 25 Jun 2009. USA: Huerfano County, Colorado. N 37.791865, W 104.7341.
- 11478 DW Roberts (DWR 1847). Isolated from soil sample SS 16537. 1 Sep 2009. USA: Santa Cruz County, Arizona. N 31.454967, W 110.61091.
- 11479 DW Roberts (DWR 1848). Isolated from soil sample SS 15120. 24 Jun 2009. USA: Baca County, Colorado. N 37.320136, W 102.7423.
- 11480 DW Roberts (DWR 1849). Isolated from soil sample SS 15689. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.2237, W 100.10725.
- 11481 DW Roberts (DWR 1850). Isolated from soil sample SS 13415. 19 May 2009. USA: Kit Carson County, Colorado. N 39.287251, W 102.7804.
- 11482 DW Roberts (DWR 1851). Isolated from soil sample SS 13484. 20 May 2009. USA: Kit Carson County, Colorado. N 39.127716, W 102.9688.
- 11483 DW Roberts (DWR 1852). Isolated from soil sample SS 17600. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.824215, W 102.2586.
- 11484 DW Roberts (DWR 1853). Isolated from soil sample SS 17422. 19 May 2009. USA: Kiowa County, Colorado. N 38.433611, W 102.5556.
- 11485 DW Roberts (DWR 1854). Isolated from soil sample SS 15529. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.2035, W 100.1666.
- 11486 DW Roberts (DWR 1861). Isolated from soil sample SS 17431. 19 May 2009. USA: Cheyenne County, Colorado. N 38.658001, W 102.4385.
- 11487 DW Roberts (DWR 1862). Isolated from soil sample SS 15350. 2 Jun 2009. USA: Fall River County, South Dakota. N 43.262, W 103.5826.
- 11488 DW Roberts (DWR 1863). Isolated from soil sample SS 15383. 22 Jun 2009. USA: Custer County, South Dakota. N 43.6942, W 102.896.
- 11489 DW Roberts (DWR 1864). Isolated from soil sample SS 16756. 17 Aug 2009. USA: Graham County, Arizona. N 33.260055, W 109.84727.
- 11490 DW Roberts (DWR 1865). Isolated from soil sample SS 13398. 18 May 2009. USA: Kit Carson County, Colorado. N 39.301228, W 102.4653.
- 11491 DW Roberts (DWR 1866). Isolated from soil sample SS 13483. 20 May 2009. USA: Kit Carson County, Colorado. N 39.242958, W 102.8749.
- 11492 DW Roberts (DWR 1867). Isolated from soil sample SS 17416. 6 Aug 2009. USA: Roosevelt County, New Mexico. N 33.74441, W 103.2884.
- 11493 DW Roberts (DWR 1868). Isolated from soil sample SS 17613. 28 Jun 2009. USA: Kiowa County, Colorado. N 38.368953, W 102.4361.
- 11494 DW Roberts (DWR 1869). Isolated from soil sample SS 17427. 19 May 2009. USA: Cheyenne County, Colorado. N 38.658726, W 102.3279.
- 11495 DW Roberts (DWR 1870). Isolated from soil sample SS 17426. 19 May 2009. USA: Kiowa County, Colorado. N 38.556886, W 102.309.
- 11496 DW Roberts (DWR 1871). Isolated from soil sample SS 17459. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.355286, W 102.0838.
- 11497 DW Roberts (DWR 1872). Isolated from soil sample SS 17601. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.824215, W 102.2586.
- 11498 DW Roberts (DWR 1873). Isolated from soil sample SS 17609. 28 Jun 2009. USA: Prowers County, Colorado. N 38.256275, W 102.3115.
- 11499 DW Roberts (DWR 1874). Isolated from soil sample SS 16884. 12 Aug 2009. USA: Coconino County, Arizona. N 35.575898, W 111.93302.
- 11500 DW Roberts (DWR 1875). Isolated from soil sample SS 17672. 5 Jul 2009. USA: Kiowa County, Colorado. N 38.306073, W 103.3589.
- 11501 DW Roberts (DWR 1876). Isolated from soil sample SS 17604. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.673018, W 102.0882.
- 11502 DW Roberts (DWR 1877). Isolated from soil sample SS 18307. Jun 2009. USA: Slope County, North Dakota. N 46.338168, W 103.75.
- 11503 DW Roberts (DWR 1878). Isolated from soil sample SS 17467. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.397433, W 102.3994.
- 11504 DW Roberts (DWR 1879). Isolated from soil sample SS 17421. 19 May 2009. USA: Kiowa County, Colorado. N 38.460953, W 102.634.
- 11505 DW Roberts (DWR 1880). Isolated from soil sample SS 18033. 4 Nov 2009. USA: Ada County, Idaho. N 43.29398, W 116.24912.

- 11506 DW Roberts (DWR 1881). Isolated from soil sample SS 16804. 28 Jul 2009. USA: Apache County, Arizona. N 36.993913, W 109.04155.
- 11507 DW Roberts (DWR 1882). Isolated from soil sample SS 17585. 23 Jun 2009. USA: Kiowa County, Colorado. N 38.508303, W 102.6024.
- 11508 DW Roberts (DWR 1883). Isolated from soil sample SS 12074. 11 Jun 2009. USA: Donley County, Texas. N 34.96198, W 100.93602.
- 11509 DW Roberts (DWR 1884). Isolated from soil sample SS 12070. 10 Jun 2009. USA: Collingsworth County, Texas. N 35.10693, W 100.52151.
- 11510 DW Roberts (DWR 1885). Isolated from soil sample SS 12084. 18 Jun 2009. USA: Runnels County, Texas. N 32.05688, W 100.11147.
- 11511 DW Roberts (DWR 1886). Isolated from soil sample SS 12065. 9 Jun 2009. USA: Wheeler County, Texas. N 35.49702, W 100.12129.
- 11512 DW Roberts (DWR 1887). Isolated from soil sample SS 15462. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0389, W 99.076.
- 11513 DW Roberts (DWR 1888). Isolated from soil sample SS 13267. 17 Jun 2009. USA: Elbert County, Colorado. N 39.269821, W 104.0859.
- 11514 DW Roberts (DWR 1889). Isolated from soil sample SS 13414. 19 May 2009. USA: Kit Carson County, Colorado. N 39.138356, W 102.6891.
- 11515 DW Roberts (DWR 1890). Isolated from soil sample SS 13293. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.217193, W 105.0157.
- 11516 DW Roberts (DWR 1891). Isolated from soil sample SS 13292. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.062591, W 105.0122.
- 11517 DW Roberts (DWR 1892). Isolated from soil sample SS 13273. 22 Jun 2009. USA: Adams County, Colorado. N 39.740846, W 104.1343.
- 11518 DW Roberts (DWR 1893). Isolated from soil sample SS 15908. 6 Aug 2009. USA: Stevens County, Washington. N 48.297557, W 117.92978.
- 11519 DW Roberts (DWR 1894). Isolated from soil sample SS 15862. 31 Jul 2009. USA: Boundary County, Idaho. N 48.589167, W 116.38172.
- 11520 DW Roberts (DWR 1895). Isolated from soil sample SS 13270. 18 Jun 2009. USA: Park County, Colorado. N 39.074741, W 105.711.
- 11521 DW Roberts (DWR 1896). Isolated from soil sample SS 15464. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0054, W 98.9617.
- 11522 DW Roberts (DWR 1897). Isolated from soil sample SS 12080. 17 Jun 2009. USA: Callahan County, Texas. N 32.50322, W 99.54539.
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- 11931 DW Roberts (DWR 2091). Isolated from soil sample SS 19923. 22 Jun 2010. USA: Graham County, Arizona. N 33.35593, W 109.95616.
- 11932 DW Roberts (DWR 2092). Isolated from soil sample SS 19956. 29 Jun 2010. USA: Coconino County, Arizona. N 35.54914, W 112.15773.
- 11933 DW Roberts (DWR 2093). Isolated from soil sample SS 20471. 8 Jul 2010. USA: Maricopa County, Arizona. N 33.22972, W 111.68604.
- 11934 DW Roberts (DWR 2094). Isolated from soil sample SS 20510. 30 Jun 2010. USA: Maricopa County, Arizona. N 33.74791, W 112.28682.
- 11935 DW Roberts (DWR 2095). Isolated from soil sample SS 20519. 30 Jun 2010. USA: Maricopa County, Arizona. N 33.57112, W 112.35565.
- 11936 DW Roberts (DWR 2096). Isolated from soil sample SS 20570. 1 Jul 2010. USA: Maricopa County, Arizona. N 33.57573, W 112.36993.
- 11937 DW Roberts (DWR 2097). Isolated from soil sample SS 20923. 14 Jul 2010. USA: Maricopa County, Arizona. N 33.75354, W 112.28114.
- 11938 DW Roberts (DWR 2098). Isolated from soil sample SS 20945. 14 Jul 2010. USA: Maricopa County, Arizona. N 33.15335, W 112.28102.
- 11952 DW Roberts (DWR 2108). Isolated from soil sample SS 21129. 13 Jul 2010. USA: Apache County, Arizona. N 33.863157, W 109.38204.
- 11953 DW Roberts (DWR 2109). Isolated from soil sample SS 21106. 6 Jul 2010. USA: Pinal County, Arizona. N 33.0684, W 111.87214.
- 11954 DW Roberts (DWR 2110). Isolated from soil sample SS 20931. 14 Jul 2010. USA: Maricopa County, Arizona. N 33.74801, W 112.28351.
- 11955 DW Roberts (DWR 2111). Isolated from soil sample SS 20928. 14 Jul 2010. USA: Maricopa County, Arizona. N 33.75294, W 112.28281.
- 11956 DW Roberts (DWR 2112). Isolated from soil sample SS 20664. 12 Jul 2010. USA: San Juan County, Utah. N 37.4417, W 110.1628.
- 11957 DW Roberts (DWR 2113). Isolated from soil sample SS 20064. 19 May 2010. USA: Klickitat County, Washington. N 45.95395, W 120.0683.
- 11958 DW Roberts (DWR 2114). Isolated from soil sample SS 19823. 3 Jun 2010. USA: Graham County, Arizona. N 33.3795, W 109.74382.
- 11959 DW Roberts (DWR 2115). Isolated from soil sample SS 19773. 22 Jun 2010. USA: Graham County, Arizona. N 33.421692, W 109.81548.
- 11960 DW Roberts (DWR 2116). Isolated from soil sample SS 19766. 2 Jun 2010. USA: Graham County, Arizona. N 33.218714, W 109.88695.
- 11961 DW Roberts (DWR 2117). Isolated from soil sample SS 457. Rec'd 30 Apr 2012. USA: west of Kanab, Kane County, Utah. N 37.02208, W 112.18106.
- 11962 DW Roberts (DWR 2118). Isolated from soil sample SS 20621, colony 1. 28 Jun 2010. USA: Maricopa County, Arizona. N 33.21972, W 111.68951.
- 11963 DW Roberts (DWR 2126). Isolated from soil sample SS 19253. 10 Jun 2010. USA: Washington County, Utah. N 37.0705, W 113.1011.
- 11964 DW Roberts (DWR 2127). Isolated from soil sample SS 19477. Jun 2010. USA: Humboldt County, Nevada. N 41.574405, W 117.86794.
- 11965 DW Roberts (DWR 2128). Isolated from soil sample SS 19640. 23 Jun 2010. USA: Iron County, Utah. N 37.5754, W 113.2122.
- 11966 DW Roberts (DWR 2129). Isolated from soil sample SS 20123. 25 Jun 2010. USA: Elmore County, Idaho. N 42.89464, W 115.40259.
- 11967 DW Roberts (DWR 2130). Isolated from soil sample SS 20135. 17 Mar 2010. USA: Jackson County, Oregon. N 42.363304, W 122.87361.
- 11968 DW Roberts (DWR 2131). Isolated from soil sample SS 20184. 8 Jul 2010. USA: Maricopa County, Arizona. N 33.47561, W 111.77249.
- 11969 DW Roberts (DWR 2132). Isolated from soil sample SS 21329. 6 Jul 2010. USA: Maricopa County, Arizona. N 33.66752, W 111.67792.
- 11970 DW Roberts (DWR 2133). Isolated from soil sample SS 21625. 19 Jul 2010. USA: Mora County, New Mexico. N 35.86777, W 105.13212.
- 11971 DW Roberts (DWR 2134). Isolated from soil sample SS 22338. 26 Jul 2010. USA: Hayes County, Nebraska. N 40.49218, W 100.93045.
- 11973 DW Roberts (DWR 2136). Isolated from soil sample SS 19674. 21 Jun 2010. USA: Millard County, Utah. N 39.0847, W 113.043.
- 11974 DW Roberts (DWR 2137). Isolated from soil sample SS 19993. 2 Jun 2010. USA: Graham County, Arizona. N 33.298107, W 109.91969.

- 11975 DW Roberts (DWR 2138). Isolated from soil sample SS 21779. 29 Jun 2010. USA: Lander County, Nevada. N 39.37686, W 117.23957.
- 11976 DW Roberts (DWR 2139). Isolated from soil sample SS 22345. 3 Aug 2010. USA: Kimball County, Nebraska. N 41.11436, W 104.05335.
- 11977 DW Roberts (DWR 2140). Isolated from soil sample SS 22433. 2 Aug 2010. USA: Cheyenne County, Nebraska. N 41.175323, W 102.72493.
- 11978 DW Roberts (DWR 2141). Isolated from soil sample SS 22450. 2 Aug 2010. USA: Cheyenne County, Nebraska. N 41.030193, W 102.79277.
- 11979 DW Roberts (DWR 2163). Isolated from soil sample SS 21592. 13 Jul 2010. USA: San Miguel County, New Mexico. N 35.73941, W 105.24086.
- 11980 DW Roberts (DWR 2164). Isolated from soil sample SS 21686. 29 Jun 2010. USA: Lander County, Nevada. N 39.667452, W 117.02765.
- 11981 DW Roberts (DWR 2165). Isolated from soil sample SS 22003. 13 Jul 2010. USA: White Pine County, Nevada. N 39.571618, W 115.56535.
- 11982 DW Roberts (DWR 2166). Isolated from soil sample SS 22050. 29 Jul 2010. USA: Banner County, Nebraska. N 41.568751, W 103.58542.
- 11983 DW Roberts (DWR 2167). Isolated from soil sample SS 22053. 28 Jul 2010. USA: Morrill County, Nebraska. N 41.749932, W 102.93642.
- 11984 DW Roberts (DWR 2168). Isolated from soil sample SS 22315. 21 Jul 2010. USA: Chase County, Nebraska. N 40.45155, W 101.60876.
- 11985 DW Roberts (DWR 2169). Isolated from soil sample SS 22796. 14 Jul 2010. USA: Coconino County, Arizona. N 35.518922, W 112.90235.
- 11986 DW Roberts (DWR 2170). Isolated from soil sample SS 23212. 1 Jun 2010. USA: Ziebach County, South Dakota. N 44.715, W 101.3068.
- 11987 DW Roberts (DWR 2171). Isolated from soil sample SS 23217. 1 Jun 2010. USA: Ziebach County, South Dakota. N 44.73827, W 101.79459.
- 11988 DW Roberts (DWR 2173). Isolated from soil sample SS 21227. 6 Jul 2010. USA: Pinal County, Arizona. N 33.06169, W 111.89016.
- 11989 DW Roberts (DWR 2174). Isolated from soil sample SS 21480. 26 Jul 2010. USA: Garfield County, Utah. N 38.0708, W 111.1932.
- 11990 DW Roberts (DWR 2175). Isolated from soil sample SS 21557. 19 Jul 2010. USA: Cibola County, New Mexico. N 34.98721, W 107.18676.
- 11991 DW Roberts (DWR 2176). Isolated from soil sample SS 22036. 29 Jul 2010. USA: Scotts Bluff County, Nebraska. N 41.713241, W 103.570715.
- 11992 DW Roberts (DWR 2177). Isolated from soil sample SS 22061. 28 Jul 2010. USA: Morrill County, Nebraska. N 41.453606, W 102.906474.
- 11993 DW Roberts (DWR 2178). Isolated from soil sample SS 22245. 27 Jul 2010. USA: Morrill County, Nebraska. N 41.800272, W 102.989698.
- 11994 DW Roberts (DWR 2179). Isolated from soil sample SS 22354. 3 Aug 2010. USA: Kimball County, Nebraska. N 41.008658, W 103.649346.
- 11995 DW Roberts (DWR 2180). Isolated from soil sample SS 22375. 26 Jul 2010. USA: Sherman County, Nebraska. N 41.306466, W 99.109066.
- 11996 DW Roberts (DWR 2181). Isolated from soil sample SS 21986. 7 Jul 2010. USA: Elko County, Nevada. N 41.335423, W 116.193413.
- 11997 DW Roberts (DWR 2182). Isolated from soil sample SS 22020. 2 Aug 2010. USA: Frontier County, Nebraska. N 40.46756, W 100.26192.
- 11999 DW Roberts (DWR 2184). Isolated from soil sample SS 22230. 26 Jul 2010. USA: Morrill County, Nebraska. N 41.684985, W 103.07357.
- 12000 DW Roberts (DWR 2185). Isolated from soil sample SS 22241. 27 Jul 2010. USA: Morrill County, Nebraska. N 41.808199, W 102.857345.
- 12001 DW Roberts (DWR 2186). Isolated from soil sample SS 22246. 27 Jul 2010. USA: Morrill County, Nebraska. N 41.746732, W 102.692398.
- 12002 DW Roberts (DWR 2187). Isolated from soil sample SS 22289. 29 Jul 2010. USA: Perkins County, Nebraska. N 40.70208, W 101.85952.
- 12003 DW Roberts (DWR 2188). Isolated from soil sample SS 22395. 27 Jul 2010. USA: Sherman County, Nebraska. N 41.31138, W 99.184573.
- 12004 DW Roberts (DWR 2189). Isolated from soil sample SS 22864. 20 Jul 2010. USA: Maricopa County, Arizona. N 32.89341, W 112.94703.
- 12006 DW Roberts (DWR 2196). Isolated from soil sample SS 21539. Jul 2010. USA: Harlan County, Nebraska. N 40.060457, W 99.465457.
- 12007 DW Roberts (DWR 2202). Isolated from soil sample SS 20279. 30 Jun 2010. USA: Maricopa County, Arizona. N 33.74485, W 112.28564.
- 12008 DW Roberts (DWR 2203). Isolated from soil sample SS 22775. 20 Jul 2010. USA: Maricopa County, Arizona. N 32.89332, W 112.94272.
- 12009 DW Roberts (DWR 2204). Isolated from soil sample SS 21797. 13 Jul 2010. USA: Elko County, Nevada. N 41.859068, W 115.456145.
- 12010 DW Roberts (DWR 2205). Isolated from soil sample SS 22797. 14 Jul 2010. USA: Coconino County, Arizona. N 35.512615, W 112.906628.
- 12011 DW Roberts (DWR 2206). Isolated from soil sample SS 21947. 8 Jun 2010. USA: Humboldt County, Nevada. N 41.2913, W 117.56189.
- 12012 DW Roberts (DWR 2208). Isolated from soil sample SS 23280. 22 Jul 2010. USA: Wayne County, Utah. N 38.1756, W 111.2547.

- 12013 DW Roberts (DWR 2209). Isolated from soil sample SS 26258. 16 Aug 2010. USA: Wheatland County, Montana. N 46.423436, W 109.842215.
- 12014 DW Roberts (DWR 2210). Isolated from soil sample SS 26170. 11 Aug 2010. USA: Teton County, Montana. N 48.014959, W 112.026792.
- 12015 DW Roberts (DWR 2211). Isolated from soil sample SS 26169. 11 Aug 2010. USA: Teton County, Montana. N 47.871536, W 111.559205.
- 12016 DW Roberts (DWR 2212). Isolated from soil sample SS 26251. 9 Aug 2010. USA: Toole County, Montana. N 48.495943, W 112.076656.
- 12017 DW Roberts (DWR 2213). Isolated from soil sample SS 26199. 22 Jul 2010. USA: Powder River County, Montana. N 45.227415, W 105.839425.
- 12018 DW Roberts (DWR 2214). Isolated from soil sample SS 21911. 14 Jul 2010. USA: Eureka County, Nevada. N 39.926522, W 115.872422.
- 12019 DW Roberts (DWR 2215). Isolated from soil sample SS 21868. 23 Jun 2010. USA: Humboldt County, Nevada. N 41.390058, W 117.260055.
- 12020 DW Roberts (DWR 2216). Isolated from soil sample SS 25993. 26 Jul 2010. USA: Blaine County, Montana. N 48.290616, W 109.361748.
- 12021 DW Roberts (DWR 2217). Isolated from soil sample SS 26310. 3 Aug 2010. USA: Beaverhead County, Montana. N 44.606168, W 111.934148.
- 12022 DW Roberts (DWR 2219). Isolated from soil sample SS 22086. 22 Jul 2010. USA: Buffalo County, Nebraska. N 40.92399, W 99.2553.
- 12023 [ERL 2102] S Gouli (A-12/1) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12024 [ERL 2103] S Gouli (A-12/2) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12025 [ERL 2104] S Gouli (A-12/3) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: State Line Road, Arizona.
- 12026 [ERL 2105] S Gouli (A-12/4) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: State Line Road, Arizona.
- 12092 DW Roberts (DWR 2224). Isolated from soil sample SS 20337. 8 Jul 2010. USA: Pinal County, Arizona. N 32.73439, W 111.4507.
- 12093 DW Roberts (DWR 2225). Isolated from soil sample SS 20371. 28 Jun 2010. USA: Maricopa County, Arizona. N 33.28451, W 111.60407.
- 12094 DW Roberts (DWR 2230). Isolated from soil sample SS 22558. 20 Jul 2010. USA: Mohave County, Arizona. N 36.270414, W 113.579924.
- 12095 DW Roberts (DWR 2231). Isolated from soil sample SS 22094. 21 Jul 2010. USA: Furnas County, Nebraska. N 40.238686, W 99.949158.
- 12096 DW Roberts (DWR 2258). Isolated from soil sample SS 21544. Jul 2010. USA: Harlan County, Nebraska. N 40.259383, W 99.611561.
- 12097 DW Roberts (DWR 2262). Isolated from soil sample SS 25353. 13 Sep 2010. USA: Lincoln County, Nebraska. N 40.721859, W 100.618147.
- 12098 DW Roberts (DWR 2263). Isolated from soil sample SS 22093. 21 Jul 2010. USA: Furnas County, Nebraska. N 40.328696, W 99.88721.
- 12099 DW Roberts (DWR 2290). Isolated from soil sample SS 26842. 13 May 2011. USA: Maricopa County, Arizona. N 33.25818, W 112.78474.
- 12100 DW Roberts (DWR 2291). Isolated from soil sample SS 24075. 23 Jun 2010. USA: Idaho.
- 12101 DW Roberts (DWR 2320). Isolated from soil sample SS 23698. 17 Aug 2010. USA: Garfield County, Washington. N 46.550448, W 117.661143.
- 12102 DW Roberts (DWR 2321). Isolated from soil sample SS 24770. 20 Aug 2010. USA: Maricopa County, Arizona. N 33.22088, W 111.68938.
- 12103 DW Roberts (DWR 2322). Isolated from soil sample SS 24116. 11 Aug 2010. USA: Minidoka County, Idaho. N 42.662974, W 113.564188.
- 12104 DW Roberts (DWR 2323). Isolated from soil sample SS 25096. 13 Sep 2010. USA: Dawson County, Nebraska. N 40.743166, W 100.052267.
- 12105 DW Roberts (DWR 2324). Isolated from soil sample SS 23557. 9 Aug 2010. USA: Lander County, Nevada. N 40.846452, W 116.91237.
- 12106 DW Roberts (DWR 2325). Isolated from soil sample SS 25059. 13 Sep 2010. USA: Loup County, Nebraska. N 41.769945, W 99.58007.
- 12107 DW Roberts (DWR 2326). Isolated from soil sample SS 26289. 2 Aug 2010. USA: Chouteau County, Montana. N 47.991639, W 111.130971.
- 12108 DW Roberts (DWR 2327). Isolated from soil sample SS 26289. 2 Aug 2010. USA: Chouteau County, Montana. N 47.991639, W 111.130971.
- 12109 DW Roberts (DWR 2328). Isolated from soil sample SS 25298. 13 Sep 2010. USA: Garfield County, Nebraska. N 41.877381, W 98.937662.
- 12110 DW Roberts (DWR 2329). Isolated from soil sample SS 24132. 16 Aug 2010. USA: Camas County, Idaho. N 43.430856, W 114.879507.
- 12111 DW Roberts (DWR 2330). Isolated from soil sample SS 22103. 20 Jul 2010. USA: Furnas County, Nebraska. N 40.226451, W 99.780704.
- 12112 DW Roberts (DWR 2331). Isolated from soil sample SS 25094. 13 Sep 2010. USA: Dawson County, Nebraska. N 40.742904, W 100.147744.
- 12113 DW Roberts (DWR 2332). Isolated from soil sample SS 25473. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.180655, W 101.037032.
- 12114 DW Roberts (DWR 2333). Isolated from soil sample SS 24283. 5 Aug 2010. USA: Platte County, Wyoming. N 42.041537, W 105.134366.

- 12115 DW Roberts (DWR 2334). Isolated from soil sample SS 26856. 13 May 2011. USA: Maricopa County, Arizona. N 33.23119, W 112.77611.
- 12116 DW Roberts (DWR 2335). Isolated from soil sample SS 24307. 27 Jul 2010. USA: Big Horn County, Wyoming. N 44.387393, W 108.433066.
- 12119 DW Roberts (DWR 2338). Isolated from soil sample SS 25477. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.322525, W 101.231835.
- 12120 DW Roberts (DWR 2340). Isolated from soil sample SS 26330. 29 Jul 2010. USA: Texas.
- 12121 DW Roberts (DWR 2341). Isolated from soil sample SS 25249. 13 Sep 2010. USA: Lincoln County, Nebraska. N 40.910691, W 100.601416.
- 12122 DW Roberts (DWR 2342). Isolated from soil sample SS 26328. 29 Jul 2010. USA: Texas.
- 12123 DW Roberts (DWR 2343). Isolated from soil sample SS 23488. 21 Jul 2010. USA: Elko County, Nevada. N 41.911242, W 114.708732.
- 12124 DW Roberts (DWR 2344). Isolated from soil sample SS 23683. 19 Aug 2010. USA: Lea County, New Mexico. N 33.32974, W 103.31833.
- 12125 DW Roberts (DWR 2345). Isolated from soil sample SS 26142. 28 Jul 2010. USA: Garfield County, Montana. N 47.517233, W 106.718607.
- 12126 DW Roberts (DWR 2346). Isolated from soil sample SS 24318. 29 Jul 2010. USA: Big Horn County, Wyoming. N 44.264516, W 107.579314.
- 12127 DW Roberts (DWR 2347). Isolated from soil sample SS 24312. 28 Jul 2010. USA: Platte County, Wyoming. N 41.89983, W 105.17213.
- 12128 DW Roberts (DWR 2348). Isolated from soil sample SS 24401. 28 Jul 2010. USA: Campbell County, Wyoming. N 43.924602, W 105.265479.
- 12129 DW Roberts (DWR 2349). Isolated from soil sample SS 24420. 4 Aug 2010. USA: Park County, Wyoming. N 44.466728, W 109.465717.
- 12130 DW Roberts (DWR 2350). Isolated from soil sample SS 24016. 3 Jun 2010. USA: Ziebach County, South Dakota. N 44.9328, W 101.44.
- 12131 DW Roberts (DWR 2351). Isolated from soil sample SS 24477. 16 Jun 2010. USA: Grant County, North Dakota. N 46.574271, W 101.4491.
- 12132 DW Roberts (DWR 2352). Isolated from soil sample SS 24012. 2 Jun 2010. USA: Ziebach County, South Dakota. N 44.7923, W 101.59105.
- 12133 DW Roberts (DWR 2353). Isolated from soil sample SS 24458. 21 Jun 2010. USA: McKenzie County, North Dakota. N 47.614531, W 103.94557.
- 12134 DW Roberts (DWR 2354). Isolated from soil sample SS 24385. 26 Jul 2010. USA: Converse County, Wyoming. N 43.42169, W 105.01971.
- 12135 DW Roberts (DWR 2355). Isolated from soil sample SS 25245. 13 Sep 2010. USA: Lincoln County, Nebraska. N 40.8719, W 100.453766.
- 12136 DW Roberts (DWR 2356). Isolated from soil sample SS 25695. 29 Jul 2010. USA: Nebraska.
- 12137 DW Roberts (DWR 2357). Isolated from soil sample SS 25789. 18 Aug 2010. USA: Sublette County, Wyoming. N 42.929368, W 109.719182.
- 12138 DW Roberts (DWR 2358). Isolated from soil sample SS 25422. 14 Sep 2010. USA: Arthur County, Nebraska. N 41.61575, W 101.692497.
- 12139 DW Roberts (DWR 2359). Isolated from soil sample SS 25286. 13 Sep 2010. USA: Knox County, Nebraska. N 42.53189, W 98.267687.
- 12140 DW Roberts (DWR 2368). Isolated from soil sample SS 24255. 9 Aug 2010. USA: Millard County, Utah. N 39.2505, W 112.4105.
- 12141 DW Roberts (DWR 2369). Isolated from soil sample SS 27858. 21 Apr 2011. USA: Maricopa County, Arizona. N 33.45163, W 111.74131.
- 12142 DW Roberts (DWR 2370). Isolated from soil sample SS 26797. 26 Jul 2010. USA: McKenzie County, North Dakota. N 47.476037, W 103.479367.
- 12143 DW Roberts (DWR 2371). Isolated from soil sample SS 26362. 13 Sep 2010. USA: Nebraska.
- 12144 DW Roberts (DWR 2372). Isolated from soil sample SS 26444. 9 Sep 2010. USA: Brown County, Nebraska. N 42.217802, W 100.092458.
- 12145 DW Roberts (DWR 2373). Isolated from soil sample SS 26679. 27 Jul 2010. USA: Baker County, Oregon. N 44.81095, W 117.74345.
- 12146 DW Roberts (DWR 2374). Isolated from soil sample SS 20223. 30 Jun 2010. USA: Maricopa County, Arizona. N 33.74982, W 112.2851.
- 12147 DW Roberts (DWR 2376). Isolated from soil sample SS 25593. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.450294, W 100.610335.
- 12148 DW Roberts (DWR 2377). Isolated from soil sample SS 25912. 11 Aug 2010. USA: Dawes County, Nebraska. N 42.770365, W 103.044088.
- 12149 DW Roberts (DWR 2378). Isolated from soil sample SS 26944. 11 May 2011. USA: Maricopa County, Arizona. N 33.29037, W 112.78524.
- 12150 DW Roberts (DWR 2379). Isolated from soil sample SS 24768. 20 Aug 2010. USA: Maricopa County, Arizona. N 33.22122, W 111.68881.
- 12151 DW Roberts (DWR 2380). Isolated from soil sample SS 26165. 10 Aug 2010. USA: Teton County, Montana. N 47.833469, W 111.43031.
- 12152 DW Roberts (DWR 2381). Isolated from soil sample SS 24545. 14 Jun 2010. USA: McKenzie County, North Dakota. N 47.616155, W 103.15898.
- 12153 DW Roberts (DWR 2382). Isolated from soil sample SS 25581. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.31636, W 100.218693.
- 12154 DW Roberts (DWR 2383). Isolated from soil sample SS 25928. 12 Aug 2010. USA: Dawes County, Nebraska. N 42.559213, W 103.013363.

- 12156 DW Roberts (DWR 2385). Isolated from soil sample SS 26690. 28 Jul 2010. USA: Baker County, Oregon. N 44.911464, W 117.673965.
- 12157 DW Roberts (DWR 2392). Isolated from soil sample SS 24760. 20 Aug 2010. USA: Maricopa County, Arizona. N 33.22126, W 111.68853.
- 12158 DW Roberts (DWR 2393). Isolated from soil sample SS 27465. 19 Apr 2011. USA: Maricopa County, Arizona. N 33.66675, W 111.67854.
- 12159 DW Roberts (DWR 2394). Isolated from soil sample SS 22098. 21 Jul 2010. USA: Furnas County, Nebraska. N 40.24425, W 100.006112.
- 12160 DW Roberts (DWR 2395). Isolated from soil sample SS 26802. 4 Aug 2010. USA: McKenzie County, North Dakota. N 47.827493, W 103.864465.
- 12161 DW Roberts (DWR 2396). Isolated from soil sample SS 25212. 13 Sep 2010. USA: Garden County, Nebraska. N 41.453266, W 102.227163.
- 12162 DW Roberts (DWR 2397). Isolated from soil sample SS 26814. 10 Aug 2010. USA: McKenzie County, North Dakota. N 47.588047, W 103.827014.
- 12165 I Erper (TR-55-3). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12183 DW Roberts (DWR 2404). Isolated from soil sample SS 25210. 13 Sep 2010. USA: Garden County, Nebraska. N 41.456487, W 102.140963.
- 12184 DW Roberts (DWR 2405). Isolated from soil sample SS 25580. 31 Aug 2010. USA: Scotts Bluff County, Nebraska. N 41.856859, W 103.908883.
- 12185 DW Roberts (DWR 2406). Isolated from soil sample SS 26804. 5 Aug 2010. USA: McKenzie County, North Dakota. N 47.770262, W 103.93551.
- 12186 DW Roberts (DWR 2407). Isolated from soil sample SS 23710. 24 Aug 2010. USA: Pend Oreille County, Washington. N 48.690289, W 117.410623.
- 12187 DW Roberts (DWR 2408). Isolated from soil sample SS 23619. 10 Aug 2010. USA: Elko County, Nevada. N 41.963838, W 115.541857.
- 12188 DW Roberts (DWR 2409). Isolated from soil sample SS 23545. 3 Aug 2010. USA: Washoe County, Nevada. N 40.722008, W 119.56075.
- 12189 DW Roberts (DWR 2410). Isolated from soil sample SS 25341. 13 Sep 2010. USA: Custer County, Nebraska. N 41.194723, W 99.377805.
- 12191 DW Roberts (DWR 2412). Isolated from soil sample SS 22118. 14 Jul 2010. USA: Gosper County, Nebraska. N 40.441993, W 99.681392.
- 12192 DW Roberts (DWR 2414). Isolated from soil sample SS 25187. 13 Sep 2010. USA: Rock County, Nebraska. N 42.717231, W 99.402792.
- 12193 DW Roberts (DWR 2415). Isolated from soil sample SS 24320. 19 Jul 2010. USA: Hot Springs County, Wyoming. N 43.84921, W 108.3728.
- 12194 DW Roberts (DWR 1353). Rec'd 30 Apr 2012.
- 12196 ST Jaronski (ND03B). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12197 ST Jaronski (ND05). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12198 ST Jaronski (ND06B). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12199 ST Jaronski (ND07). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12200 ST Jaronski (ND08). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12201 ST Jaronski (ND09). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12202 ST Jaronski (ND10). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12203 ST Jaronski (ND12). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota.
- 12204 ST Jaronski (ND13). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12205 ST Jaronski (ND17). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12206 ST Jaronski (ND22A). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12207 ST Jaronski (ND27). *Aulocara elliotti* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12208 ST Jaronski (MT34). *Melanoplus confusus* [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12209 ST Jaronski (MT44). *Melanoplus* sp. [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12210 ST Jaronski (MT47). *Melanoplus confusus* [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".

- 12211 ST Jaronski (MT50). *Melanoplus confusus* [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12212 ST Jaronski (KS01). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12213 ST Jaronski (KS19A). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12214 ST Jaronski (KS19B). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12215 ST Jaronski (KS29). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12216 ST Jaronski (KS32). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12217 ST Jaronski (KS33). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12218 ST Jaronski (KS38). *Melanoplus confusus* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12219 ST Jaronski (KS44). *Phoetaliotes nebrascensis* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12220 ST Jaronski (KS49). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12221 ST Jaronski (KS50C). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12222 ST Jaronski (KS51). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12223 ST Jaronski (KS52). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12224 ST Jaronski (KS54). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12225 ST Jaronski (KS55). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12226 ST Jaronski (KS56A). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12227 ST Jaronski (KS56C). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12228 ST Jaronski (KS57). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12229 ST Jaronski (KS58). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12230 ST Jaronski (KS59). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12231 ST Jaronski (KS60C). *Melanoplus infantilis* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12232 ST Jaronski (KS61). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12233 ST Jaronski (KS62). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12234 ST Jaronski (KS63). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12235 ST Jaronski (KS64B). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12236 ST Jaronski (KS64C). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12237 ST Jaronski (KS65). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12238 ST Jaronski (KS66). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".

- 12239 ST Jaronski (KS68). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12240 ST Jaronski (13CT01 f3). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12241 ST Jaronski (13CT02 f3). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12242 ST Jaronski (13CT03 f3). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12243 ST Jaronski (13CT04 f1). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12244 ST Jaronski (13CT08 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12245 ST Jaronski (13CT09 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12246 ST Jaronski (13CT10 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12247 ST Jaronski (13CT11 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12248 ST Jaronski (13CT12 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12249 AE Hajek. Rec'd 8 Jul 2013.
- Beauveria bassiana sensu lato*** (Balsamo-Crivelli)
 Vuillemin
 [Sordariomycetes: Hypocreales]
 Cordycipitaceae
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- 12252 ST Jaronski (11D001). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12253 ST Jaronski (11D002). *Aulocara elliotti* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12254 ST Jaronski (11D004). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12255 ST Jaronski (11D005). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12256 ST Jaronski (11D006). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12257 ST Jaronski (11D007). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12258 ST Jaronski (11D008). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12259 ST Jaronski (11D009). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12260 ST Jaronski (11D010). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12261 ST Jaronski (11D011). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12262 ST Jaronski (11D012). *Aulocara femoratum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12263 ST Jaronski (11D013). *Aulocara elliotti* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12264 ST Jaronski (11D014). *Melanoplus confusus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12265 ST Jaronski (11D015). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12266 ST Jaronski (11D016). *Aulocara femoratum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12267 ST Jaronski (11D017). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12268 ST Jaronski (11D018). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12269 ST Jaronski (11D019). *Aulocara elliotti* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".

- 12270 ST Jaronski (11D020). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12271 ST Jaronski (11D021). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12272 ST Jaronski (11D022). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12273 ST Jaronski (11D023). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12274 ST Jaronski (11KS001). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12275 ST Jaronski (11KS002). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12276 ST Jaronski (11KS003). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12277 ST Jaronski (11KS004). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12278 ST Jaronski (11KS005). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12279 ST Jaronski (11KS006). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12280 ST Jaronski (11KS007). *Aulocara femoratum* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12281 ST Jaronski (11KS008). *Aulocara femoratum* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12282 ST Jaronski (11KS009). *Melanoplus confusus* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12283 ST Jaronski (11KS010). *Hadrotettix* sp. [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12284 ST Jaronski (11KS011). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12285 ST Jaronski (11KS012). *Camnula pellucida* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12286 ST Jaronski (11KS013). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12287 ST Jaronski (11KS015). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12288 ST Jaronski (11KS016). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12289 ST Jaronski (11KS017). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12290 ST Jaronski (11KS018). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12291 ST Jaronski (11KS019). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12292 ST Jaronski (11KS020). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12293 ST Jaronski (11KS021). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12294 ST Jaronski (11KS022). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12295 ST Jaronski (11KS024). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12296 ST Jaronski (11KS025). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12297 ST Jaronski (11KS026). *Melanoplus* sp. [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".

- 12376 ST Jaronski (11MT027). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 29 Aug 2011. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12377 ST Jaronski (11MT028). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 29 Aug 2011. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12378 ST Jaronski (11SD005). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12379 ST Jaronski (11SD006). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12380 ST Jaronski (11SD007). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12381 ST Jaronski (11SD010). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12382 ST Jaronski (11SD011). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12383 ST Jaronski (11SD012). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12384 ST Jaronski (11SD013). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12385 ST Jaronski (11SD014). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12386 ST Jaronski (11SD015). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12387 ST Jaronski (11SD017). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12388 ST Jaronski (11SD019). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12389 ST Jaronski (11SD020). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12390 ST Jaronski (11SD022). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12391 ST Jaronski (11SD023). *Melanoplus confusus* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12392 ST Jaronski (11SD024). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 29 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12393 ST Jaronski (11SD025). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12394 ST Jaronski (11SD028). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12395 ST Jaronski (11SD029). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12397 ST Jaronski (MT06-1). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12398 ST Jaronski (MT11). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12399 ST Jaronski (MT13A-2). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12400 ST Jaronski (MT13C). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12401 ST Jaronski (MT14-1). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12402 ST Jaronski (MT17-1). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12403 ST Jaronski (MT22). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12404 ST Jaronski (MT25). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12405 ST Jaronski (MT29). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12406 ST Jaronski (MT35). *Melanoplus confusus* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09".

- 12407 ST Jaronski (MT55-3). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana.
- 12408 ST Jaronski (ND23-1). 20 Aug 2010. USA: Sidney, Montana.
- 12409 ST Jaronski (ND23-3). 20 Aug 2010.
- 12410 20 Aug 2010.
- 12411 Rec'd 7 Aug 2013.
- Beauveria bassiana*(?)** (Balsamo-Crivelli) Vuillemin
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 5182 S Gouli (GA-91). Phylum Arthropoda, Class Chilopoda. 29 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5644 [IITA 82] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 3 Jul 1996. Benin: IITA field, Cotonou, Atlantique.
- 5684 BL Parker (SPT-084). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5815 BL Parker (HWA 242/2). *Adelges tsugae* [Hemiptera: Adelgidae]. Rec'd 13 Jul 1998.
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- 6608 JL Hatting. *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 27 Sep 2000. Hungary: greenhouse, Budapest, Budapest.
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- 6891 H Cortez Madrigal (B2). [Coleoptera: Chrysomelidae] on weeds. 10 Oct 2000. Mexico: Cárdenas, Tabasco.
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- 8812 LA Castrillo (R6b1). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8813 LA Castrillo (R6b3). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
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- 8815 LA Castrillo (R8b5). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
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[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Beauveria tenella* (Saccardo) MacLeod.
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- 1071 TJ Poprawski ← S Keller (125). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.
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- 1077 S Keller (134). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 8 Dec 1983. Switzerland: Bleiken, Thurgau.
- 1366 S Balazy (1594d). Rec'd 19 May 1984. Poland.
- 1431 MC Rombach (A). *Niphonoclea* sp. [Coleoptera: Cerambycidae] on forest litter. Apr 1984. Philippines: UPLB Botanical Garden, Los Baños, Manila.
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- 1872 S Keller (166). Rec'd 27 Mar 1985. Location not specified.
- 1873 S Keller (167). Rec'd 27 Mar 1985. Location not specified.
- 1874 S Keller (168). Rec'd 27 Mar 1985. Location not specified.
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- 2271 BT Forschler (RF-3). Adult, *Cyrtepidomus castaneus* [Coleoptera: Curculionidae]. Sep 1986. USA: Robinson Forest, Univ. of Kentucky, Breathitt County, Kentucky. Identification verified genomically.
- 2660 C Gopalakrishnan (31). Adult, [Coleoptera]. Rec'd Nov 1988. India.
- 3054 [MAF F1] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.
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- 4389 LA Lacey (94131). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
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- 4468 LA Lacey (94146). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4469 LA Lacey (94147). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4470 LA Lacey (94148). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4471 LA Lacey (94149). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4472 LA Lacey (94150). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4473 LA Lacey (94151). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

- 4475 LA Lacey (94153). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4476 LA Lacey (94154). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4477 LA Lacey (94155). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
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- 4994 LA Lacey (95053). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4995 LA Lacey (95054). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 5355 LA Lacey (96015). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5356 LA Lacey (96016). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5357 LA Lacey (96017). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5358 LA Lacey (96018). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5359 LA Lacey (96019). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5360 LA Lacey (96020). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5361 LA Lacey (96021). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5362 LA Lacey (96022). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5363 LA Lacey (96023). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5364 LA Lacey (96024). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 6023 BL Parker ← V Gouli (SPT-R-201). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6213 AE Hajek (1). Adult, *Barypeithes pellucida* [Coleoptera: Curculionidae] in leaf litter. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6214 AE Hajek (2A). Adult, *Barypeithes pellucida* [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6215 AE Hajek (3A). Adult, *Barypeithes pellucida* [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
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- 6412 M Shimazu (F-1101). *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. 8 Dec 1993. Japan: Kukisaki, Ibaraki Prefecture.
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- 6438 Acc'd 9 Mar 2001.
- 6439 Acc'd 9 Mar 2001.
- 6440 Acc'd 9 Mar 2001.
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- 7268 JM Sung (EFCC 5119). [Coleoptera: Carabidae]. 14 Jul 2000. Republic of Korea: Undooryung, Kangwon-do. Identification verified genomically.
- 7376 DM Gibson. Adult, *Magicicada septendecim* [Hemiptera: Cicadidae]. 9 Jun 2004. USA: ARS National Visitor Center, Beltsville, Maryland. Identification verified genomically.
- 7528 S Keller (812). 3rd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 23 Oct 2002. Switzerland: Innertkirchen, Bern.
- 7555 I Klingen (NCRI 57/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7556 I Klingen (NCRI 71/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7557 I Klingen (NCRI 73/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7558 I Klingen (NCRI 74/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7559 I Klingen (NCRI 86/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7560 I Klingen (NCRI 223/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.

- 7561 I Klingen (NCRI 233/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7761 [CBS 326.67; IMI 232818] *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd 10 Jun 2005. Netherlands.
- 7762 [IMI 303228] From spawned mushroom compost. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 8034 NV Meyling (KVL 03-140). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 9452 [SRCAMB VL-1582] V Likhovidov. Larva, [Coleoptera: Elateridae]. 14 Sep 2004. Russian Federation: Caucasus Mountains, Karachayevo-Cherkessiya Republ. Field Collection Number F-508.
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- 9599 X Zou (6). [Lepidoptera: Noctuidae]. Rec'd 19 Jan 2010. PR China: Guizhou Province.
- 10277 DJ Bruck (IP-780) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- 10278 DJ Bruck (IP 951) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- 10279 DJ Bruck (IP 957) and J Fisher. Rhizosphere of grape crop. 5 Aug 2009. USA: Polk County, Oregon.
- 10280 DJ Bruck (IP 969) and J Fisher. Rhizosphere of blueberry crop. 31 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- Beauveria caledonica*** Bissett & Widden
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 1567 S Keller (D156). [Coleoptera: Scolytidae]. 14 Aug 1984. Switzerland: Siblingen, Schaffhausen. Identification verified genomically.
- 2251 IMI ← HC Evans (Ro 596). Adult, [Coleoptera]. Feb 1980. Brazil: Belém, Pará. Identification verified genomically.
- 2567 CCFC (DAOM 191855) ← P Widden. Natural heather moors, A1 horizon. Rec'd 17 May 1988. Scotland: Banchory, Grampian. CULTURE EX TYPE.
- 4302 [DAT 333] AC Rath (F333) ← H Yip (HY26). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania. Identification verified genomically.
- 7117 WK Reeves. [Orthoptera: Gryllacrididae]. 4 Apr 2003. USA: Rusty's Cave, Dade County, Georgia. Identification verified genomically.
- 8024 NV Meyling (KVL 03-70). *Amphimallon solstitiale* [Coleoptera: Scarabaeidae] from soil. 12 Jul 2000. Denmark: Jægerspris, Zealand. Identification verified genomically.
- Beauveria kipukae*** SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters
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- 7032 RG Hollingsworth (KNF2002-1). [Hemiptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii. EX-TYPE ISOLATE; species defined by genomic characters.
- Beauveria lii*** S. L. Zhang, B. Huang (sp. nov., unpublished)
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 11741 [RCEF 5500] B Huang. Larva, *Henosepilachna vigintioctopunctata* [Coleoptera: Coccinellidae] (XY20100923-63). 23 Sep 2010. PR China: Xunyi County, Xianyang City, Shaanxi Province. CULTURE EX TYPE. Sequence data: GenBank.
- Beauveria malawiensis*** SA Rehner & Aquino de Muro
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 4755 [DAT 367] AC Rath (F367) ← H Yip (HY227). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania. Identification verified genomically.
- 7760 [IMI 228343] *Phoracantha semipunctata* [Coleoptera: Cerambycidae]. 4 May 1978. Malawi: Zomba, Southern. CULTURE EX TYPE.
- Beauveria pseudobassiana*** SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters
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- 152 M Wojciechowska (310-76). *Pamphilius betulae* [Hymenoptera: Pamphiliidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.
- 156 M Wojciechowska (1092). [Hymenoptera: Ichneumonidae] parasitic on lepidopteran. Rec'd 18 Jul 1977. Poland.
- 157 M Wojciechowska (1110). *Anthicus floralis* [Coleoptera: Anthicidae]. Rec'd 18 Jul 1977. Poland.
- 292 DW Roberts ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.
- 299 RC Hedlund. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1978. Rumania: 1 km W of Pasarea on Rt. 3, Pasarea, Muntenia.
- 813 GG Soares (6). 6th instar larva, *Otiorrhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.

- 814 GG Soares (10). 6th instar larva, *Otiiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
- 1359 S Balazy (1597a). Rec'd 19 May 1984. Poland.
- 1360 S Balazy (1599). Rec'd 19 May 1984. Poland.
- 1565 KV Deseö (109) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.
- 1855 P Spencer and HS Whitney (R640). Adult, *Ips* sp. [Coleoptera: Scolytidae]. Jul 1984. Canada: Christina Lake, British Columbia. Identification verified genomically.
- 2455 UAMH (4132) ← GS Bulmer (05-78). *Alligator mississippiensis* [Crocodylia: Alligatoridae]. May 1978. USA: City Zoo, Oklahoma City, Oklahoma.
- 2557 S Sandoval (95). Adult, [Coleoptera: Cerambycidae]. Acc'd 18 Mar 1988. Ecuador.
- 2997 MS Goettel. *Vespula vulgaris* [Hymenoptera: Vespidae]. 24 Feb 1990. Canada: Lethbridge, Alberta. Genomically identified by SA Rehner.
- 3055 [MAF F6] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3063 [MAF F13] T Glare. *Sitona* sp. [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3065 [MAF F28] T Glare. *Otiiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3066 [MAF F29] T Glare. *Paropsis charybdis* [Coleoptera: Chrysomelidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3070 [MAF F33] T Glare. *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island.
- 3121 G Mercadier and TJ Poprawski (8852). [Hemiptera: Aphididae] on *Urtica* sp. 10 Jun 1988. France: Garanières, Yvelines.
- 3153 G Mercadier and TJ Poprawski (8809A). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.
- 3216 LK Rieske. *Thrips calcaratus* [Thysanoptera: Thripidae]. Summer 1991. USA: Rusk County, Wisconsin. Identification verified genomically.
- 3220 LA Lacey. *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd Feb 1991. Portugal. Identification verified genomically.
- 3405 AE Hajek (18). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: Koontz Lokey, Page County, Virginia. EX-TYPE ISOLATE for species defined genomically.
- 3528 AE Hajek (61c). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1991. USA: Belle Acre, Allegheny County, Pennsylvania.
- 3529 AE Hajek (73a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Resurrection, Prince Georges County, Maryland. Identification verified genomically.
- 3965 LA Lacey (93002) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 4150 [DAT 144] AC Rath (F144). Nymph, *Phaulacridium vittatum* [Orthoptera: Acrididae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4222 [DAT 224] AC Rath (F224) ← H Yip (HY137). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4240 [DAT 309] AC Rath (F309) ← H Yip (HY50). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4254 [DAT 105] AC Rath (F105). Soil. 14 Jan 1988. Australia: Big Plains, Benham Estate, Avoca, Tasmania.
- 4261 [DAT 251] AC Rath (F251) ← H Yip (HT109). Soil. 8 Jun 1988. Australia: Forcett, Tasmania.
- 4271 [DAT 232] AC Rath (F232) ← H Yip (HY129). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.
- 4273 [DAT 9] AC Rath (F009) ← Pinnock. Larva, *Oncopera* sp. [Lepidoptera: Hepialidae]. 1983. Australia: South Australia.
- 4274 [DAT 143] AC Rath (F143). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4285 [DAT 199] AC Rath (F199) ← H Yip (HY162). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4297 [DAT 85] AC Rath (F085) ← H Yip. Soil. Rec'd 6 Jun 1994. Australia: Mt. Wellington, Hobart, Tasmania.
- 4300 [DAT 276] AC Rath (F276) ← H Yip (HY84). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4301 [DAT 328] AC Rath (F328) ← H Yip (HY30). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4320 [DAT 334] AC Rath (F334) ← H Yip (HY25). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4326 [DAT 288] AC Rath (F288) ← H Yip (HY72). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4353 [DAT 335] AC Rath (F335) ← H Yip (HY24). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4356 [DAT 243] AC Rath (F243) ← H Yip (HY118). Soil. Rec'd 6 Jun 1994. Australia: Latrobe, Tasmania.
- 4564 [DAT 307] AC Rath (F307) ← H Yip (HY52). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4571 [DAT 336] AC Rath (F336) ← H Yip (HY23). Soil. 6 Jan 1988. Australia: Silver Falls, Hobart, Tasmania.
- 4583 [DAT 305] AC Rath (F305) ← H Yip (HY54). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.

- 4611 [DAT 90] AC Rath (F090). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4612 [DAT 95] AC Rath (F095). Soil. 6 Jan 1988. Australia: Mt. Wellington, Hobart, Tasmania.
- 4644 [DAT 329] AC Rath (F329) ← H Yip (HY29). Soil. 7 Jan 1988. Australia: Welborough, Tasmania.
- 4658 [DAT 102] AC Rath (F102). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4670 [DAT 219] AC Rath (F219) ← H Yip (HY142). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.
- 4721 [DAT 140] AC Rath (F140). Adult, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4741 [DAT 330] AC Rath (F330) ← H Yip (HY28). Soil. 1 Jun 1988. Australia: St Mary's, Tasmania.
- 4745 [DAT 347] AC Rath (F347) ← H Yip (HY11). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4933 LA Lacey (95035). *Tomicus minor* [Coleoptera: Scolytidae] Pinus nigra. 4 Apr 1995. France: Saint-Etienne, de Gourgas.
- 5070 LA Lacey (95062). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodève, Hérault.
- 5370 I Kligen (NCRI 2-96 (B2)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (loam). 10 May 1996. Norway: Border vegetation of cereal field, Bjørnebekk (59.43° N), Ås, Akershus. **RESTRICTED ACCESS:** contact Curator.
- 5557 I Kligen (STF 14.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 27 Sep 1996. Norway: Harstad, Troms. **RESTRICTED ACCESS:** contact Curator.
- 5622 I Vänninen (SF85-2). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Pernaja.
- 5668 BL Parker (SPT-010). [Coleoptera]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.
- 5669 BL Parker (SPT-018). [Coleoptera: Scarabaeidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5678 BL Parker (SPT-020). [Coleoptera: Coccinellidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5724 L Erkiliç (Pazarcik/Karabiyikli-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 29 Mar 1998. Turkey: Pazarcik, Kahraman Maras.
- 5867 T Steenberg (SSL 641). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Ramløse, Zealand.
- 6015 BL Parker ← V Gouli (SPT-R-171). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6022 BL Parker ← V Gouli (SPT-R-200). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6043 BL Parker ← V Gouli (SPT-R-161). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6181 FE Vega (EBCL 99004). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.
- 6185 FE Vega (EBCL 99020). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: St. Marie aux Anglais.
- 6229 [RCEF 0231] Adult, [Coleoptera: Scolytidae (Tribe Ipini)]. 8 Aug 1996. PR China: Guizhou Province. Identification verified genomically.
- 6971 [PPRI 7054] JL Hatting. Larva, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. Mar 2001. South Africa: Ysterfontein, Clanwilliam, Cape Province.
- 6972 [PPRI 7055] JL Hatting. Larva, *Isturgia exerrariae* [Lepidoptera: Geometridae]. 24 Apr 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Free State.
- 7242 JM Sung (EFCC 1440). [Hymenoptera]. 25 Jul 1997. Republic of Korea: Odae Mt., Kangwon-do. Identification verified genomically.
- 8045 LB Flor and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota.
- 8046 LB Flor (SCIs3) and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota. Single spore isolate of ARSEF 8045. GenBank ITS sequence: DQ679897, GenBank EFla sequence: DQ679900.
- 8254 [NRRL 30976] WG Meikle and G Mercadier (EBCL 05002). *Varroa destructor* [Acari: Varroidae]. 16 May 2005. France: Nézignan l'Évêque, Hérault.
- 8256 WG Meikle and G Mercadier (EBCL 05006). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Le Vigan, Gard.
- 8258 WG Meikle and G Mercadier (EBCL 05011). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard.
- 10480 DW Roberts (DWR 360). Isolated from soil sample SS 1189. 28 Sep 2007. USA: Yavapai County, Arizona. N 34 35.522, W 112 36.061.
- 10492 DW Roberts (DWR 396). Isolated from soil sample SS 0602. Summer 2007. USA: Williams, Arizona. N 35.309628, W 112.36458.
- 10499 DW Roberts (DWR 403). Isolated from soil sample SS 0483. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41 46.250, W 111 45.671.
- 10575 DW Roberts (DWR 539). Isolated from soil sample SS 3342. 30 Jul 2008. USA: Oregon.

- 10594 DW Roberts (DWR 566). Isolated from soil sample SS 3343. 30 Jul 2008. USA: Oregon.
- 10598 DW Roberts (DWR 570). Isolated from soil sample SS 4160. 11 Aug 2008. USA: Klamath County, Oregon. N 42.762013, W 121.81277.
- 10608 DW Roberts (DWR 610). Isolated from soil sample SS 4769. 11 Aug 2008. USA: Weston County, Wyoming. N 43.560056, W 104.7898.
- 10616 DW Roberts (DWR 618). Isolated from soil sample SS 4285. 25 Aug 2008. USA: Kimball County, Nebraska. N 41.04736, W 103.93899.
- 10618 DW Roberts (DWR 623). Isolated from soil sample SS 3391. 30 Jul 2008. USA: Oregon.
- 10623 DW Roberts (DWR 628). Isolated from soil sample SS 4190. 4 Aug 2008. USA: Klamath County, Oregon. N 42.532002, W 121.59103.
- 10628 DW Roberts (DWR 645). Isolated from soil sample SS 4189. 4 Aug 2008. USA: Klamath County, Oregon. N 42.33525, W 121.69994.
- 10630 DW Roberts (DWR 647). Isolated from soil sample SS 1537. 18 Jun 2008. USA: Lincoln County, Washington. N 47.55019, W 118.28008.
- 10634 DW Roberts (DWR 651). Isolated from soil sample SS 3458. 6 Aug 2008. USA: Mariposa County, California. N 37.42243, W 119.72471.
- 10635 DW Roberts (DWR 652). Isolated from soil sample SS 1485. 16 Jul 2008. USA: Franklin County, Washington. N 46.43925, W 118.70769.
- 10644 DW Roberts (DWR 667). Isolated from soil sample SS 3197. 13 Aug 2008. USA: Stevens County, Washington. N 48.1241, W 118.0968.
- 10646 DW Roberts (DWR 671). Isolated from soil sample SS 6313. 21 Jul 2008. USA: Box Elder County, Utah. N 41.514, W 113.2981.
- 10648 DW Roberts (DWR 673). Isolated from soil sample SS 7856. 12 Jun 2008. USA: Sanders, Montana.
- 10658 DW Roberts (DWR 683). Isolated from soil sample SS 3678. 11 Jun 2008. USA: Elbert County, Colorado. N 39.13181, W 103.82714.
- 10667 DW Roberts (DWR 698). Isolated from soil sample SS 3681. 11 Jun 2008. USA: Elbert County, Colorado. N 39.1718, W 103.91955.
- 10668 DW Roberts (DWR 699). Isolated from soil sample SS 3654. 6 Jun 2008. USA: Lincoln County, Colorado. N 39.22938, W 103.39844.
- 10670 DW Roberts (DWR 701). Isolated from soil sample SS 3718. 24 Jun 2008. USA: Elbert County, Colorado. N 39.23637, N 104.40359.
- 10671 DW Roberts (DWR 702). Isolated from soil sample SS 3682. 11 Jun 2008. USA: Elbert County, Colorado. N 39.10021, W 103.92255.
- 10672 DW Roberts (DWR 703). Isolated from soil sample SS 3732. 26 Jun 2008. USA: Elbert County, Colorado. N 39.20188, W 104.47177.
- 10674 DW Roberts (DWR 705). Isolated from soil sample SS 3775. 10 Jul 2008. USA: Larimer County, Colorado. N 40.823906, W 105.29536.
- 10676 DW Roberts (DWR 707). Isolated from soil sample SS 3796. 26 May 2008. USA: Washington County, Colorado. N 39.717393, W 103.21757.
- 10677 DW Roberts (DWR 708). Isolated from soil sample SS 3799. 26 May 2008. USA: Washington County, Colorado. N 39.711136, W 103.12265.
- 10688 DW Roberts (DWR 724). Isolated from soil sample SS 4516. 2 Jul 2008. USA: Armstrong County, Texas. N 35.00096, W 101.5585.
- 10690 DW Roberts (DWR 726). Isolated from soil sample SS 6328. 23 Jul 2008. USA: Beaver County, Utah. N 38.27049, W 112.41064.
- 10701 DW Roberts (DWR 737). Isolated from soil sample SS 7953. 23 Jul 2008. USA: Montana.
- 10703 DW Roberts (DWR 739). Isolated from soil sample SS 7959. 23 Jul 2008. USA: Montana.
- 10707 DW Roberts (DWR 745). Isolated from soil sample SS 3929. 10 Jul 2008. USA: Park County, Colorado. N 39.33621, W 105.82851.
- 10709 DW Roberts (DWR 747). Isolated from soil sample SS 4003. 12 Jun 2008. USA: Lincoln County, Colorado. N 38.60803, W 104.01695.
- 10720 DW Roberts (DWR 769). Isolated from soil sample SS 4074. 23 May 2008. USA: Morgan County, Colorado. N 40.073148, W 104.10911.
- 10730 DW Roberts (DWR 779). Isolated from soil sample SS 3988. 2 Jun 2008. USA: Washington County, Colorado. N 40.147393, W 103.4159883.
- 10732 DW Roberts (DWR 781). Isolated from soil sample SS 2649. 26 Aug 2008. USA: Graham County, Arizona. N 33.397751, W 109.718853.
- 10753 DW Roberts (DWR 854). Isolated from soil sample SS 1882. Jul 2008. USA: Chase County, Nebraska. N 40.41204, W 101.38511.
- 10772 DW Roberts (DWR 885). Isolated from soil sample SS 2134. 12 Aug 2008. USA: Keya Paha County, Nebraska.
- 10799 DW Roberts (DWR 923). Isolated from soil sample SS 6436. 6 Aug 2008. USA: Sanpete County, Utah. N 39.3933, W 111.4139.
- 10845 DW Roberts (DWR 972). Isolated from soil sample SS 6221. 12 Aug 2008. USA: Apache County, Arizona. N 34.216013, W 109.72028167.
- 10846 DW Roberts (DWR 973). Isolated from soil sample SS 6241. 12 Aug 2008. USA: Coconino County, Arizona. N 35.297775, W 112.26443167.
- 10847 DW Roberts (DWR 974). Isolated from soil sample SS 6260. 12 Aug 2008. USA: Coconino County, Arizona. N 35.256755, W 112.24246.
- 10848 DW Roberts (DWR 975). Isolated from soil sample SS 6235. 12 Aug 2008. USA: Apache County, Arizona. N 34.210155, W 109.717775.

- 10875 DW Roberts (DWR 1002). Isolated from soil sample SS 7124. 27 Jun 2008. USA: Beaver County, Utah. N 38.4242, W 113.0146.
- 10987 DW Roberts (DWR 1114). Isolated from soil sample SS 6940. 17 Jul 2008. USA: Carbon County, Utah. N 39.5251, W 110.4413.
- 11050 DW Roberts (DWR 1205). Isolated from soil sample SS 7088. May 2008. USA: Box Elder County, Utah. N 41.46619, W 113.54489.
- 11053 DW Roberts (DWR 1208). Isolated from soil sample SS 7786. 21 Aug 2008. USA: Johnson County, Wyoming. N 43.832075, W 106.89304.
- 11054 DW Roberts (DWR 1209). Isolated from soil sample SS 7806. 26 Aug 2008. USA: Park County, Wyoming. N 44.341716, W 109.37025.
- 11067 DW Roberts (DWR 1223). Isolated from soil sample SS 8029. 28 Jul 2008. USA: Montana.
- 11068 DW Roberts (DWR 1224). Isolated from soil sample SS 8054. Jul 2008. USA: Carter County, Montana.
- 11074 DW Roberts (DWR 1230). Isolated from soil sample SS 8074. 21 Jul 2008. USA: Treasure County, Montana. N 46.3994, W 107.3833.
- 11087 DW Roberts (DWR 1261). Isolated from soil sample SS 7406. 30 Jul 2008. USA: Uintah County, Utah. N 40.2645, W 109.3757.
- 11105 DW Roberts (DWR 1279). Isolated from soil sample SS 11295. May 2009. USA: Boise County, Idaho. N 43.673185, W 116.09569.
- 11110 DW Roberts (DWR 1302). Isolated from soil sample SS 8947. 5 Jul 2008. USA: Baca County, Colorado. N 37.193068, W 102.05834.

Beauveria sungii SA Rehner & Humber

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 1685 M Shimazu (F-450). *Lachnosterna morosa* [Coleoptera: Scarabaeidae]. Acc'd 2 Nov 1984. Japan: Ibaraki Prefecture. EX-TYPE ISOLATE for species defined genomically.
- 5689 JM Sung (KEFC-251). [Coleoptera: Scarabaeidae]. 20 Aug 1993. Republic of Korea: Gal-Cheon, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.
- 7043 JM Sung (KEFC-3530). Rec'd 19 Jun 2002. From teleomorph morphologically resembling *Cordyceps staphylinidaecola*. Identification of anamorph verified genomically.
- 7044 JM Sung (KEFC-3549). Rec'd 19 Jun 2002. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

- 7279 JM Sung (EFCC 5014). [Coleoptera: Chrysomelidae]. 11 Jul 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.
- 7280 JM Sung (EFCC 5657). [Coleoptera: Chrysomelidae]. Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.
- 7281 JM Sung (EFCC 5884). [Hymenoptera]. 24 Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

Beauveria varroae SA Rehner & Humber

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 2694 [IMI 328059] C Prior. *Larinus* sp. [Coleoptera: Curculionidae]. Rec'd 19 Mar 1989. Switzerland. Identification verified genomically.
- 8257 WG Meikle and G Mercadier (EBCL 05007). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard. EX-TYPE ISOLATE for species defined genomically.
- 8259 WG Meikle and G Mercadier (EBCL 05012). *Varroa destructor* [Acari: Varroidae]. 4 Jul 2005. France: Ur, Pyrénées-Orientales. Identification verified genomically.

Beauveria vermiconia de Hoog & Rao

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 2922 CBS (645.74). Volcanic ash soil. 1974. Chile: Valdivia, Los Lagos. CULTURE EX TYPE.

***Beniowskia* sp.**

[Hyphomycetes]

- 2751 GW Riethmacher (EB1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 5 Apr 1989. Philippines: La Trinidad, Benguet.

***Bipolaris* sp.**

[Dothideomycetes: Pleosporales]

Pleosporaceae

- 6585 Rec'd 21 Sep 2000.

Calcarisporium arbuscula Preuss

[Hyphomycetes]

- 5999 KT Hodge. On the gills of a rotting basidiocarp of *Russula* sp. 7 Oct 1998. USA: Upper end of Lost Gorge (Hendershot Gulf), Alpine, New York. Teleomorph: *Barya agaricicola* (Berk.) Höhnelt

- [Hypocreales: Clavicipitaceae]. From multiple ascospore culture. Specimen deposited in Cornell University Plant Pathology Herbarium as 65353. .
6155 [ATCC 36805; VKM F-2771 (=MF-251)] *Armillaria mellea* [Agaricales: Tricholomataceae]. Rec'd 6 May 1999. Russian Federation: Moscow Region.

Calcarisporium ovalisporum (Petch) de Hoog
[Hyphomycetes]

Isolated as a mycoparasite from *Hirsutella citriformis*. This fungus is not itself pathogenic for insects.

- 1907 MC Rombach (2). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.
2035 MC Rombach (Cov-2). *Hirsutella citriformis*. 1985. Solomon Islands.
2036 MC Rombach (Cov-5). *Hirsutella citriformis*. 1985. Solomon Islands.

Calcarisporium parasiticum Barnett
[Hyphomycetes]

- 6154 [ATCC 18061; CBS 130.58] *Dothiorella quercina* from black oak. 26 Nov 1956. USA: Morgan County, West Virginia. CULTURE EX TYPE.

***Candida* sp.**

[Saccharomycetes: Saccharomycetales]

All of these strains grow as yeasts with facultative capacities to attack cockroaches. It remains uncertain whether they can be primary pathogens or depend upon the host to be stressed, wounded, or otherwise compromised.

- 1857 [NRRL Y-12965] JM Verrett. *Periplaneta americana* [Dictyoptera: Blattidae]. Acc'd 21 Feb 1985. USA: laboratory colony, Dillard University, New Orleans, Louisiana.
1877 [NRRL Y-12966] TB Clark. *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd 12 Oct 1983. USA: laboratory colony, Beltsville, Maryland.
1924 H deBarjac (1). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.
1925 H deBarjac (4). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.
1926 H deBarjac (5). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.
5729 TJ Poprawski. *Hypothenemus hampei* [Coleoptera: Scolytidae] from laboratory colony. Rec'd 20 May 1998. USA: Weslaco, Texas.

Candida* cf. *pseudoglebosa Suzuki & Nakase
[Saccharomycetes: Saccharomycetales]

- 7146 WK Reeves. Larva, *Wyeomyia smithii* [Diptera: Culicidae]. 23 May 2003. USA: Bull Pen Bog, Jackson County, North Carolina.

Capniomyces stellatus SW Peterson & Lichtwardt
[Kickxellomycotina: Harpellales]

- 9258 RW Lichtwardt (MIS-10-108). *Allocapnia granulata* [Plecoptera: Capniidae]. 1982. USA: southern Missouri, Missouri.

Catenaria anguillulae Sorokin
[Blastocladiomycetes: Blastocladiales]
Catenariaceae

- 2015 [ATCC 58382] BA Jaffee (Ca2). *Xiphinema* sp. [Dorylaimida: Longidoridae]. 18 Jun 1984. USA: Adams County, Pennsylvania.

Chamaeleomyces viridis (Segretain ex Samson) Sigler
[Sordariomycetes: Hypocreales]
Formerly identified as *Paecilomyces viridis*.

- 2456 UAMH (2994) ← Pasteur Institute (CIP-849). Rec'd 28 Jul 1987. Location not specified.

***Cladosporium* sp.** Mycosphaerellaceae
[Dothideomycetes: Capnodiales]

- 3706 LA Lacey (052A). Adult, [Hemiptera: Aleyrodidae]. 21 Mar 1992. Nepal: Katmandu.
4795 M Hoffman. *Brevicoryne brassicae* [Hemiptera: Aphididae] *Brassica* sp. 10 Jul 1994. USA: Geneva, New York.
6226 JL Hatting (Sample A). *Orachrysops ariadne* [Lepidoptera: Lycaenidae: Polyommatainae]. Rec'd 16 Jul 1999. South Africa.
6442 K Cote. *Tetranychus urticae* [Acari: Tetranychidae] on leaves of *Buddleia x davidii*. Jan 2000. USA: greenhouse, VA Tech Hampton Road Research Facility, Virginia Beach, Virginia.
6586 Rec'd 21 Sep 2000.
7035 RG Hollingsworth (KNF2002-5). [Hemiptera: Coccidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
7039 RG Hollingsworth (KNF2002-9). [Hemiptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
11866 JL Hatting (10193). *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Zea mays* L., field maize. Mar 2009. South Africa: ARC - Small Grain Institute, Bethlehem, Free State.
12046 [ERL 2129] S Gouli (A-12/28) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: State Line Road, Arizona.

Cladosporium cladosporioides (Fresenius) de Vries
[Dothideomycetes: Capnodiales]
Mycosphaerellaceae

- 3085 J Peña. *Eotetranychus* sp. [Acari: Tetranychidae] on *Cassava* sp. 30 Aug 1990. USA: Homestead, Florida.

- 3375 [Puerto Rico 04-91] F Gallardo ← G Mejía. Adult, nymphs & pupa, *Thrips palmi* [Thysanoptera: Thripidae] on eggplant, *Solanum melongena*. Jun 1991. USA: Río Piedras, Puerto Rico.
- 3463 D Wilson ← T Whitham. Gall, *Pemphigus betae* [Hemiptera: Aphididae] on narrowleaf cottonwood, *Populus angustifolia*. Rec'd 5 Nov 1991. USA: Arizona. Contains *Verticillium ?lecanii* as mycoparasite.
- 6273 K Cote. Rec'd 27 Sep 1999.
- 9614 JG Banu (4). *Phenacoccus solenopsis* [Hemiptera: Pseudococcidae]. Aug 2008. India: Coimbatore, Tamil Nadu.
- 9616 S Jeyarani (TNAU 2). *Tetranychus urticae* [Acari: Tetranychidae] on *Vigna unguiculata* (L.) Walp., cowpea. Dec 2009. India: Coimbatore, Tamil Nadu.

Cladosporium cladosporioides(?) (Fresenius) de Vries
[Dothideomycetes: Dothideales]
Mycosphaerellaceae

- 7033 RG Hollingsworth (KNF2002-3). [Hemiptera: Aphididae]. 26 Jan 2002. USA: Hilo, Hawaii.

Cladosporium herbarum (Persoon) Link
[Dothideomycetes: Capnodiales]
Mycosphaerellaceae

- 3792 ARN Farias. On *Manihot esculenta* Crantz, cassava. Rec'd 19 Oct 1992. Brazil.
- 4361 DW Roberts ← CF Robbs. *Aphis gossypii* [Hemiptera: Aphididae] Citrus. Jan 1994. Brazil: Itaguaí, Rio de Janeiro.

Cladosporium sphaerospermum Penzig
[Dothideomycetes: Capnodiales]
Mycosphaerellaceae

- 6516 RT Mayer. Larva, *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 10 May 2000. USA: Florida.

Clavicipitaceae anamorph
[Sordariomycetes: Hypocreales]

- 7090 KT Hodge (PR74). 9 Jul 2002.
- 7508 M Liu (CR01). Rec'd 27 May 2005. Costa Rica.
- 7509 M Liu (CR02). Rec'd 14 Sep 2004. Costa Rica.
- 7510 M Liu (CR06). Rec'd 7 Feb 2005. Costa Rica.
- 7511 M Liu (CR07). Rec'd 27 May 2005. Costa Rica.
- 7514 M Liu (CR28). Rec'd 7 Feb 2005. Costa Rica.
- 7515 M Liu (CR33). Rec'd 14 Sep 2004. Costa Rica.
- 7610 Rec'd 4 Feb 2005.
- 7618 M Liu (ml177). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7619 M Liu (ml186-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7640 M Liu (CR 23). Rec'd 14 Sep 2004. Costa Rica.
- 7646 P Chaverri (PC 544). Rec'd 27 May 2005.

- 7649 P Chaverri (PC 565). Rec'd 27 May 2005.
- 7654 P Chaverri (PC 604). Rec'd 27 May 2005.
- 7657 P Chaverri (PC 616). Rec'd 27 May 2005.
- 7665 P Chaverri ← HC Evans (I93-903). Rec'd Mar 2005.
- 7683 [RCEF 1260] M Liu. 9 Aug 2004. PR China: Dinghushan, Guangdong Province.
- 7684 M Liu (CR 21). Rec'd 14 Sep 2004. Costa Rica.
- 7687 M Liu (ml 146). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7688 M Liu (ml 148). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7689 M Liu (ml 159). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7690 M Liu (ml 171). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7691 M Liu (ml 172-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7692 M Liu (ml 186-3). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7693 M Liu (ml 187-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7694 M Liu (ml 187-2). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7695 M Liu (ml 202-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
- 7753 Acc'd 12 Dec 2005.

Clonostachys candelabrum (Bonord.) Schroers
[Sordariomycetes: Hypocreales]
Bionectriaceae

- 9499 [SRCAMB AS-625] V Likhovidov. Isolated from soil sample. 2004. Russian Federation: Moscow Region. Field Collection Number F-114.

Clonostachys rosea (Link : Fries) Schroers, Samuels, Seifert & W Gams
[Sordariomycetes: Hypocreales]
Bionectriaceae

- 7200 [CBS 115882; CEP 050] C López Lastra. Adult, female, *Oncometopia tucumana* [Hemiptera: Cicadellidae] on *Lantana camara* L. 28 Mar 2003. Argentina: Horco Molle, Tucumán.
- 7472 [CBS 115883; CEP 066] C López Lastra. *Sonesimia grossa* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 27 Sep 2003. Argentina: Parque Nacional El Palmar, Colón, Entre Ríos.
- 9491 [SRCAMB B-46] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Scarabaeidae]. Jul 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-279.
- 9492 [SRCAMB VL-1600] V Likhovidov. [Araneida]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-536.

Fungal Cultures

- 9493 [SRCAMB VL-1344] V Likhovidov. [Lepidoptera] Isolated from *Cordyceps* sp. 12 Aug 2003. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-916.
- 11678 Z Demirbag (As11) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11682 Z Demirbag (As15) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11687 Z Demirbag (As20) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11689 Z Demirbag (Gg2) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11690 Z Demirbag (Gg3) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11691 Z Demirbag (Gg4) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11692 Z Demirbag (Gg5) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11695 Z Demirbag (Gg8) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11699 Z Demirbag (Gg12) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11700 Z Demirbag (Gg13) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11701 Z Demirbag (Gg14) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11702 Z Demirbag (Gg15) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.

Coelomycidium simulii Debaisieux
[Blastocladiomycetes: Blastocladiales]

Cultures are vegetative only. No zoospores have been induced by any medium or treatment used. Zoospore ultrastructure is typically blastocladial.

- 218 LS Bauer. *Simulium venustum* [Diptera: Simuliidae]. 24 May 1978. USA: Otter Pond Creek, Milford, Maine.

***Coemansia* sp.**

[Kickxellomycotina: Kickxellales]
Kickxellaceae

- 2452 GL Benny (21A). Rec'd 31 Aug 1987. Location not specified.

***Colletotrichum* sp.**

[Sordariomycetes]
Glomerellaceae

- 10308 [ERL 1953] S Gouli (SM-10-1) and V Gouli. *Neolecanium cornuparvum* [Hemiptera: Coccidae]. 2010. USA: Burlington, Vermont.
- 12083 [ERL 2170] S Gouli and V Gouli (PS-12/32). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Betula populifolia* Marshall, gray birch. Sep 2012. USA: Richmond, Rhode Island.

Colletotrichum fioriniae (Marcelino & Gouli) R.G.

Shivas & Y.P. Tan
[Sordariomycetes]
Glomerellaceae

- 10219 [ERL 1204] S Gouli (EHS-41) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Mohonk Preserve, Ulster County, New York.
- 10220 [ERL 1211] S Gouli (EHS-48) and J Marcelino. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Bayberry Lane, Westchester County, New York.
- 10221 [ERL 1214] S Gouli and V Gouli (EHS-51). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Hemlock Ridge State Forest, Esopus, New York.
- 10222 [CBS 128517; ERL 1257] S Gouli (EHS-58) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Ward Pound Ridge Reservation, Westchester County, New York. CULTURE EX TYPE.
- 10223 [ERL 1260] S Gouli and V Gouli (EHS-61). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Ward Pound Ridge Reservation, Westchester County, New York.

Colletotrichum gloeosporioides (Penz.) Penz. &

Sacc.
[Sordariomycetes]
Glomerellaceae

- 4360 DW Roberts ← CF Robbs. *Orthezia praelonga* [Hemiptera: Ortheziidae] on *Nicotiana tabacum* L., tobacco. Feb 1994. Brazil: Rio de Janeiro, Rio de Janeiro.

***Conidiobolus* sp.**

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. These strains include a heterogeneous assortment of fungi isolated as saprobes and as zoopathogens. Some may represent undescribed new species. Identifications of *Conidiobolus* species are made difficult by the relative lack of taxonomic characters and of any modern taxonomic attention.

Caution: Strains derived from mammalian mycoses should be treated as potentially hazardous; observe handling precautions noted for *Conidiobolus coronatus*.

- 80 RG Kenneth (3081) or (C.o. 15) ← A Uziel. Larva,

- Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: alfalfa field, Sedé Eliyahu.
- 81 RG Kenneth (3082) or (C.o. 10) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: Sedé Eliyahu.
- 92 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.
- 93 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.
- 94 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.
- 147 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 26 Jun 1977. USA: Carroll, Maine.
- 148 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 20 Jun 1977. USA: forest, Maine.
- 211 DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Mar 1978. India: insectary, Hyderabad, Andhra Pradesh.
- 391 S Keller (21). [Hemiptera: Cercopidae]. Rec'd 18 Oct 1979. Switzerland.
- 517 DW Roberts (82380-19). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Aug 1980. Malaysia: Bumbong Lima, Icepala Batas, Wellesley Province.
- 522 DW Roberts (82180-7b). *Nilaparvata lugens* [Hemiptera: Delphacidae] on leaves. 21 Aug 1980. Malaysia.
- 564 RS Soper (8133-1/BPH-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 595 RS Soper (81227-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.
- 596 RS Soper (81226-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.
- 604 RS Soper (8133-2). *Sogatella furcifera* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.
- 605 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 606 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 999 J Aoki (Ent. 45) ← T Kobayashi. [Hemiptera: Aphididae]. Jun 1981. Japan: Fuchu, Tokyo Prefecture.
- 1426 RS Soper (8465-1). [Hemiptera: Aphididae] on rose. 6 May 1984. Yugoslavia: Plant Protection Institute, Belgrade.
- 1444 M Smith (L05 and 001). Soil/plant detritus. 1984. United Kingdom: marshy area by pool, U. of Keele, Staffordshire, England.
- 1445 M Smith (K13 and 004). Soil/plant detritus. 1984. United Kingdom: turf behind Keele Hall, U. of Keele, Staffordshire, England.
- 1477 [CNPAF 84-04-25-2; CP 167] SM dos Santos. [Orthoptera: Tettigoniidae]. 25 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1485 M Smith (N01 and 141). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.
- 1486 M Smith (O08 and 017). Soil/plant detritus. 1984. United Kingdom: wheat field, U. of Keele, Staffordshire, England.
- 1487 M Smith (Q01 and 119). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.
- 1488 M Smith (I01 and 020). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.
- 1672 GO Poinar ← GM Thomas. *Porcellio* sp. [Isopoda: Oniscoidea]. 5 Jun 1984. USA: California.
- 1967 T Burger. *Schizaphis graminum* [Hemiptera: Aphididae]. Aug 1985. USA: laboratory colony, APHIS-PPQ, Niles, Michigan.
- 2130 IL Sivcev (160/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 2 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2147 MA Naves. *Deois* sp. [Hemiptera: Cercopidae]. 4 Mar 1986. Brazil: Mato Grosso.
- 2148 MA Naves. *Deois flavopicta* [Hemiptera: Cercopidae]. 21 Mar 1986. Brazil: Mato Grosso.
- 2193 [CNPAF 86-5-19; CP 203] SM dos Santos. [Hymenoptera]. 19 May 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2494 J Eilenberg (KVL 15). [Diptera: Anthomyiidae]. 25 Jul 1986. Denmark: Svanholm, Malmöhus.
- 2498 J Eilenberg (KVL 25). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 25 Aug 1986. Denmark: Kattinge Vig, Roskilde.
- 2672 J Eilenberg (KVL 49). *Delia radicum* [Diptera: Anthomyiidae]. 2 Aug 1988. Denmark: Roskilde, Zealand.
- 2771 GW Riethmacher (C3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 11 Apr 1989. Philippines: La Trinidad, Benguet.
- 2772 GW Riethmacher (C4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Apr 1989. Philippines: La Trinidad, Benguet.
- 2815 GW Riethmacher (C5). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Apr 1989. Philippines: La Trinidad, Benguet.

- 2816 GW Riethmacher (C6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 9 Jun 1989. Philippines: La Trinidad, Benguet.
- 2819 SR Sánchez Peña (4-2). Adult:queen, *Solenopsis invicta* [Hymenoptera: Formicidae] soil. 5 Aug 1989. USA: College Station, Texas.
- 2924 CDC (B-4742). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2925 CDC (B-4741). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2926 CDC (B-4743). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2927 CDC (B-4744). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2928 [UTMB 3109] L Pasarell. *Homo sapiens* [Primates: Hominidae]. Rec'd 18 Sep 1989. USA: Port Arthur, Texas.
- 3208 GW Riethmacher (C4.1a). *Plutella xylostella* [Lepidoptera: Plutellidae]. 16 Oct 1990. Philippines: La Trinidad, Benguet.
- 3383 I Majchrowicz (18). *Aphis fabae* [Hemiptera: Aphididae] on bean. 27 Jun 1991. USA: Grandpa's garden, Granger, Washington.
- 3384 I Majchrowicz (25-b). *Myzus persicae* [Hemiptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3402 MS Goettel (17) ← G Pohl and D Yu. 30 Sep 1991. Canada: Agriculture Canada Research Station, Lethbridge, Alberta.
- 3406 BJ Cochrane ← K Chernov (V). Soil. Rec'd 7 Oct 1991. USA: mowed USF grounds by UPD, Tampa, Florida.
- 3407 BJ Cochrane ← K Chernov (VI). Soil. Rec'd 7 Oct 1991. USA: mowed USF grounds by UPD, Tampa, Florida.
- 3409 BJ Cochrane ← K Chernov (Ruby Mine). Soil. Rec'd 7 Oct 1991. USA: exposed mountainside, Franklin, North Carolina.
- 3763 R Nelson. Jun 1992. Costa Rica.
- 5404 BL Parker (GA-113). *Gargara* sp. [Hemiptera: Membracidae] on wild cereal. Jun 1996. USA: Burlington, Vermont.
- 5405 BL Parker (GA-169). *Gargara* sp. [Hemiptera: Membracidae] on wild cereal. 17 Aug 1996. Canada: Philipsburg, Québec.
- 5406 BL Parker (GA-169A). *Gargara* sp. [Hemiptera: Membracidae] on wild cereal. 17 Aug 1996. Canada: Philipsburg, Québec.
- 5712 RA Humber. From forest litter. 2 May 1998. Republic of Korea: Kangwon National University Forest Plantation, Chuncheon, Kangwon-do.
- 6424 MK Er. 3rd instar larva, *Tipula paludosa* [Diptera: Tipulidae]. 18 Dec 1999. United Kingdom: Grassland for recreation, Northumberland, England.
- 6505 S Gouli and V Gouli (GA-348). From soil. May 1999. USA: Guilford, Vermont.
- 6659 JL Hatting. *Eriosoma lanigerum* [Hemiptera: Aphididae] feeding underground on apple tree roots. 24 Jul 2000. South Africa: Oak Valley, Western Cape, Cape Province.
- 7216 [SRCAMB B-157] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.
- 7786 [CEP 184] C López Lastra ← A Toledo. Adult, male, *Oliarus dimidiatus* [Hemiptera: Cixiidae] on *Oryza sativa* L., rice crop. 28 Mar 2005. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires.
- 7942 B Huang (B1). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.
- 8313 B Huang (GSM3-L-1C1). 7 Oct 2006. USA: Great Smoky Mountains National Park, Tennessee.
- 8314 B Huang (GSM3-L-1C2). Acc'd 26 Jan 2007. USA: Great Smoky Mountains National Park, Tennessee.
- 8429 B Huang (M051114A3). 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.
- 11650 [ERL 1788/1c] S Gouli and V Gouli (HWA-G-50/c). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 11763 [ERL 2078] S Gouli (THR-11-67) and V Gouli. [Protura]. 2011. USA: Sharon Springs, New York.
- 11765 AP Gryganskyi (102). Rec'd 29 May 2012.
- 11867 JL Hatting (SGI-915). [Collembola]. Oct 2012. South Africa: Bergville, KwaZulu-Natal.
- 12338 KL O'Donnell (con-2). Rec'd 27 Aug 2013.

Conidiobolus adiaeretus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 451 [CBS 136.57; DS King C-23] ATCC (12589) ← C Drechsler. Plant detritus. Acc'd 28 Apr 1980. USA: Maryland. CULTURE EX TYPE.
- 6377 AA Callaghan (62) or (04 and 041). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 8320 B Huang (3-litter-1 A). 7 Oct 2006. USA: Great Smoky Mountains National Park, Tennessee.
- 8427 B Huang (M051114A1). Moss. 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.

Conidiobolus antarcticus Tosi, Caretta & Humber
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Mycotaxon 90: 343-347 (2004)

- 6913 G Caretta and S Tosi. 2 Feb 1999. Antarctica: Kohler Head, Victoria Land. Culture EX TYPE.

Conidiobolus bangalorensis Srinivasan & Thirumalachar
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 449 [HACC 190; IMI 118284; NRRL 3682] ATCC (16576) ← MC Srinivasan and MJ Thirumalacher. Plant detritus. 1966. India: Bangalore, Karnataka. CULTURE EX TYPE.

Conidiobolus brefeldianus Couch
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 452 ATCC (28847) ← DS King (C-31) ← CBS (141.39) ← JN Couch. Acc'd 28 Apr 1980. USA: North Carolina. CULTURE EX TYPE.

Conidiobolus coronatus (Costantin) Batko
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Major synonyms: *Entomophthora coronata* (Costantin) Kevorkian, *Conidiobolus villosus* Martin.

Caution: This species is known to cause human mycoses that are primarily tropical in occurrence and confined to the nasal passages and adjacent superficial areas. Avoid inhalation of conidia and do not handle cultures without gloves if unhealed cuts or abrasions are present. This species has low pathogenicity for mammals and should be relatively safe if handled with good microbiological technique.

- 205 ATCC (28691) ← DS King (75). Plant detritus. Rec'd 9 Mar 1978. USA.
- 206 [IPLB 951.72] ATCC (32867) ← F Mariat. *Homo sapiens* [Primates: Hominidae]. Rec'd 9 Mar 1978. Nigeria.
- 274 BE Tucker (171). Soil from roots under *Helosis* sp. [Balanophoraceae]. Acc'd 27 Mar 1979. Costa Rica: 9.783°N lat, 83.999°W long, elev. 1950 ft, Casa Mata.
- 349 RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 16 Feb 1979. Australia: Cairns, Queensland.
- 405 DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.
- 406 DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1979. Philippines: IRRI greenhouse, Parian, Calamba, Laguna.
- 418 DW Roberts (A). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.
- 419 DW Roberts (B). [Hemiptera: Cicadellidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.
- 421 DW Roberts (E). [Hemiptera: Cicadellidae]. Nov 1979. Philippines: IRRI greenhouse, Parian, Calamba, Laguna.

- 422 DW Roberts (F). [Hemiptera: Cicadellidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.
- 471 [DAR 30604] J Walker. Casing soil of *Agaricus brunnescens* [Hymenomycetes: Agaricales]. Apr 1978. Australia: R.D. 67, nr. Rydalmere, McGrath's Hill, New South Wales.
- 511 DW Roberts (81380-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Aug 1980. Philippines: IRRI, Los Baños, Manila.
- 512 DW Roberts (82180-4a). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Aug 1980. Malaysia.
- 514 DW Roberts (82180-7c). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Aug 1980. Malaysia.
- 520 DW Roberts (82380-20). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 23 Aug 1980. Malaysia: cages, Bumbong Lima, Icepala Batas, Wellesley Province.
- 523 DW Roberts (82380-22). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Aug 1980. Malaysia: cages, Bumbong Lima, Icepala Batas, Wellesley Province.
- 524 DW Roberts (82180-4c). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Aug 1980. Malaysia.
- 525 DW Roberts (82880-11). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: rearing cage, Chainat Rice Exp. Sta., N of Bangkok, Khlong Luang.
- 528 DW Roberts (82980-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: NBRC cages.
- 563 RS Soper (8133-1/BPH-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 565 RS Soper (8133-1/BPH-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 567 RS Soper (81224-2). [Araneida]. 24 Feb 1981. Indonesia: Diski Village, Medan District, Sumatera Utara.
- 597 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 655 DW Roberts (102381-6). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.
- 997 J Aoki (Ent. 11) ← M Shimazu. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Jul 1976. Japan: Chikugo, Fukuoka Prefecture.
- 1147 LI Rivera-Vargas. *Volvariella volvacea* [Agaricales]. 1984. USA: Mayaguez, Puerto Rico.
- 1572 S Keller (490). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.

- 1573 S Keller (491). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.
- 1574 S Keller (493). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.
- 1575 S Keller (494). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.
- 1736 N Wilding (4). *Myzus persicae* [Homoptera: Aphididae] isolate (Wilding # 3) passed through *Galleria mellonella* [Lepidoptera: Pyralidae] larva. Feb 1969. Laboratory manipulation.
- 1737 N Wilding (5). *Myzus persicae* [Homoptera: Aphididae] isolate (Wilding # 3) passed through *Galleria mellonella* [Lepidoptera: Pyralidae] larva. Feb 1969. Laboratory manipulation.
- 1738 [ARSEF 96 (lost)] N Wilding (32) ← C Dedryver. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 3 Sep 1984. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 1876 DG Holdom (2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 8 Mar 1985. Indonesia: Cikampek, Jawa Barat, Java.
- 1884 [CP 173] DW Roberts ← J Brunes. *Mocis latipes* [Lepidoptera: Noctuidae]. 31 Jan 1985. Brazil: CNPAF, Goiânia, Goiás.
- 2715 J Newton ← M Masri. Male, *Equus ferus caballus* [Perissodactyla: Equidae]. Mar 1989. USA: Baton Rouge, Louisiana.
- 2730 GW Riethmacher (C1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 6 Apr 1989. Philippines: La Trinidad, Benguet.
- 2812 MG Feng (MD8904). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2813 MG Feng (MD8905). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2814 MG Feng (MD8906). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 3087 M Wheeler ← RP Korf. [Dacrymycetales]. 12 Sep 1990. USA: Lloyd/Cornell-Ringwood Nat. Pres., Ithaca, New York.
- 3099 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 20 Sep 1990. USA: Hoffman field # 4B, Catherine, New York.
- 3109 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 25 Sep 1990. USA: Hoffman field # 4E, Catherine, New York.
- 3222 LS Osborne. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. Rec'd 14 Mar 1991. USA: greenhouse, IFAS, Univ. of Florida, Apopka, Florida.
- 3379 K Ostrovska (4) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.
- 3414 K Ostrovska (21) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3415 K Ostrovska (22) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 4797 [INIA 2193] J Eilenberg (KVL 614). *Epinotia aporema* [Lepidoptera: Tortricidae]. 4 May 1994. Uruguay.
- 5162 S Gouli (GP-69). Larva, Phylum Arthropoda, Class Insecta. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 6379 AA Callaghan (45) or (04 and 012). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 6512 S Gouli and V Gouli (GA-361). [Thysanoptera: Thripidae] on *Tagetes erecta* L., marigold. 3 Oct 1999. USA: Burlington, Vermont.
- 7010 M Greif (EIAW 369). [Araneida]. 24 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7011 M Greif (EIAW 389). [Hymenoptera: Formicidae]. 31 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7012 M Greif (EIAW 400). [Opiliones:Palpatores]. 31 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7013 M Greif (EIAW 410). [Opiliones:Palpatores]. 11 Sep 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7203 [CEP 062] C López Lastra. *Delphacodes haywardii* [Hemiptera: Delphacidae] reared on *Hordeum vulgare* L., barley. 19 Aug 2003. Argentina: greenhouse at CEPAVE, La Plata, Buenos Aires.
- 7922 KT Hodge. Isolated from unidentified mushroom growing on horse dung. 26 Sep 2005. USA: Barn, Pine Tree Road, Ithaca, New York.
- 8023 EC Bernard (CRSM). [Collembola] isolated from live soil arthropod extraction baited with yeast pellets. 3 Apr 2006. USA: Great Smoky Mountains National Park, Enloe Cemetery, Swain County, North Carolina.
- 8455 RB Rosengaus. Reproductives, *Nasutitermes corniger* [Isoptera: Termitidae] from multiple founding association. Rec'd 24 May 2007.
- 8715 [AFTOL 137; NRRL 28638] Rec'd 23 Jun 2008.
- 9295 [ERL 1600] VS Gouli (Thr-08-E1). Isolated from soil sample. 2008. USA: Vermont.
- 9296 [ERL 1601] VS Gouli (Thr-08-E2). Isolated from soil sample. 2008. USA: Vermont.
- 9913 [ERL 1746] S Gouli (Thr.-09-1) and V Gouli. 2010. USA: Vermont.
- 9914 [ERL 1747] S Gouli and V Gouli (Thr.-09-2). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

- 9940 C Pérez Martínez (Lyc0 1). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.
- 9941 C Pérez Martínez (Lyc0 4). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.
- 9942 C Pérez Martínez (Lyc0 5). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.
- 11651 [ERL 582] S Gouli (CA-700) and V Gouli. Isolated from soil sample. 2002. USA: California.

Conidiobolus firmipilleus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 2731 GW Riethmacher (C2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 8 Apr 1989. Philippines: La Trinidad, Benguet.
- 6384 AA Callaghan (53) or (08 and 026). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Arable field, Staffordshire, Keele, England.

Conidiobolus heterosporus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 6386 AA Callaghan (04 and 036). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.

Conidiobolus iuxtagenitus Waters & Callaghan
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 6378 [ATCC 76115] AA Callaghan (55) or (04 and 023). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England. CULTURE EX TYPE.
- 7944 B Huang (L051115B8). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

Conidiobolus lachnodes Drechsler
[Zygomycetes: Entomophthoromycotina]
Ancylistaceae

- 700 DW Roberts (102381-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.

Conidiobolus lamprauges Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 2338 CC Brown. 15 yr. old Arabian m, *Equus ferus caballus* [Perissodactyla: Equidae]. Dec 1986. USA: Baton Rouge, Louisiana.

- 6361 G St-Germain (LSPQ 0467). Rec'd 24 Nov 1999. West Indies: Trinidad and Tobago.
- 6385 AA Callaghan (08 and 229). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Arable field, Staffordshire, Keele, England.

Conidiobolus megalotocus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

- 8428 B Huang (S051114A2). Isolated from soil sample. 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.

Conidiobolus nr. *coronatus* (Costantin) Batko
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. These strains produce secondary microconidia; their morphologies match the description of *C. coronatus* in every way except that no villose conidia have been observed. Positive identification as *C. coronatus* requires observation of villose conidia.

Caution: All precautions about handling *C. coronatus* should be observed with these strains.

- 598 RS Soper (8135). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 Mar 1981. Indonesia: greenhouse, Bogor, Jawa Barat, Java.
- 599 RS Soper (81227-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Feb 1981. Indonesia: Ngaglik Village, Sleman District, Yogyakarta, Java.
- 600 RS Soper (81227-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Feb 1981. Indonesia: Pendo Wo Har Djo, Sleman District, Yogyakarta, Java.
- 602 RS Soper (8133-2). *Sogatella furcifera* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.
- 1742 DW Roberts (26102a) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.
- 1743 DW Roberts (26104) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.

Conidiobolus obscurus (Hall & Dunn) Remaudière & S Keller
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Major synonym: *Entomophthora thaxteriana*

- 74 RG Kenneth (3043) ← ATCC (24418) and CBS (182.60) ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Dec 1954. USA: Lakeview, California. Culture presumably EX TYPE.
- 97 [CSIRO EM529] N Wilding (6) ← C Dedryver. *Metopolophium dirhodum* [Hemiptera: Aphididae]. Acc'd 20 Nov 1978. France: nr. Rennes, Le Rheu, Ille-et-Vilaine.

- 121 [IPLB 20] JP Latgé and G Remaudière. *Uroleucon* sp. [Hemiptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.
- 122 [IPLB 21] JP Latgé and G Remaudière. *Uroleucon* sp. [Hemiptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.
- 124 [IPLB 54] JP Latgé and G Remaudière. *Aphis* sp. [Hemiptera: Aphididae] on *Cornus* sp. [Cornaceae]. 26 Aug 1976. Canada: Saint-Gédéon, Québec.
- 133 [ARSEF 355; CSIRO EM543; IPLB 542] G Remaudière ← JP Latgé. *Aphis armata* [Hemiptera: Aphididae] on *Digitalis purpurea*. 26 Jul 1974. France: Le Rosskopf, Moselle.
- 182 FR Holbrook. *Macrosiphum euphorbiae* [Hemiptera: Aphididae]. 10 Aug 1977. USA: Maine.
- 243 I Majchrowicz. [Hemiptera: ?Aphididae]. Rec'd 6 Sep 1978. Poland: Szczecin.
- 354 [ARSEF 824; CSIRO EM535] RJ Milner. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. May 1978. Australia: Glen Innes, New South Wales.
- 355 [ARSEF 133; IPLB 542] CSIRO (EM543) ← JP Latgé. *Aphis armata* [Hemiptera: Aphididae] on *Digitalis purpurea*. 26 Jul 1974. France: Le Rosskopf, Moselle.
- 434 [FPMI 667] JP Latgé ← IPLB (542 (=ARSEFs 133 & 355)) or (722). [Hemiptera: Aphididae]. Rec'd 7 Mar 1980. France.
- 824 [ARSEF 354; CSIRO EM535] RJ Milner. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. May 1978. Australia: Glen Innes, New South Wales.
- 832 CSIRO (EM566) ← PJ Cameron. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 25 May 1979. Laboratory manipulation.
- 834 CSIRO (EM591) ← D Crawford. *Acyrtosiphon pisum* [Hemiptera: Aphididae] on lucerne. 25 Jun 1980. Australia: Riverina Agricultural College, Wagga Wagga, New South Wales.
- 1131 [J Aoki Ent. 9; ARSEF 995 (deaccessioned)] M Shimazu (F-25). *Rhopalosiphum padi* [Hemiptera: Aphididae]. Apr 1976. Japan: Chikugo, Fukuoka Prefecture.
- 1741 N Wilding (90). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Jan 1979. Laboratory manipulation.
- 3089 MG Feng (MTRM9002). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.
- 3090 MG Feng (MTRM9003). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.
- 3092 MG Feng (MTMD9002). *Metopolophium dirhodum* [Hemiptera: Aphididae] on late-sown spring grain crop. 17 Aug 1990. USA: Bozeman, Montana.
- 3132 K Hural (GF-4). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3133 K Hural (GF-5). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3134 K Hural (GF-6). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3135 K Hural (GF-7). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3137 K Hural (Hoff-2). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3138 K Hural (Hoff-3). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3139 K Hural (Hoff-4). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3141 K Hural (Hoff-6). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 5992 C Nielsen (KVL 98-13). Alate, *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.
- 7217 [SRCAMB G-161] V Likhovidov. Rec'd 29 Sep 2003.
- 9536 [SRCAMB VL-1704; VIZR 47] V Likhovidov. Rec'd 14 Aug 2008. Field Collection Number F-154.

Conidiobolus osmodes Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 79 [FPMI 695] RG Kenneth (3080) or (3) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: Sedé Eliyahu.
- 193 [ARSEF 447; ATCC 12590; CBS 155.56; RG Kenneth 3123; DS King M-7] C Drechsler. Decaying vegetable detritus. 20 Dec 1950. USA: Laplace, Louisiana. CULTURE EX TYPE.
- 447 [ARSEF 193 (lost); CBS 155.56; RG Kenneth 3123; DS King M-7] ATCC (12590) ← C Drechsler. Decaying vegetable detritus. 20 Dec 1950. USA: Laplace, Louisiana. CULTURE EX TYPE.

Conidiobolus osmodes(?) Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 5993 C Nielsen (KVL 98-15). Alate, *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.

Conidiobolus paulus Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 450 [CBS 140.57] ATCC (12942) ← C Drechsler. Plant detritus. 18 Nov 1954. USA: Park Falls, Wisconsin. CULTURE EX TYPE.

Conidiobolus pseudapiculatus S Keller

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. This species is morphologically similar to *Batkoa apiculata* (q.v.) in the size and shape of its primary conidia and production of stout rhizoids with a discoid holdfast.

- 1662 [IPLB 698] S Keller (478) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.
- 1664 [IPLB 877] S Keller (480) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.
- 1665 [IPLB 1027] S Keller (482) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.
- 2493 J Eilenberg (KVL 6). *Psila rosae* [Diptera: Psilidae]. 25 May 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2496 J Eilenberg (KVL 11). *Psila rosae* [Diptera: Psilidae]. 2 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2497 J Eilenberg (KVL 21). *Psila rosae* [Diptera: Psilidae]. 11 Aug 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2502 J Eilenberg (KVL 24). *Psila rosae* [Diptera: Psilidae]. Aug 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

Conidiobolus pumilus Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 453 [CBS 152.56; DS King C-32] ATCC (12584) ← C Drechsler. Plant detritus. 28 Feb 1952. USA: Arlington, Virginia. CULTURE EX TYPE.
- 6383 AA Callaghan (35) or (01 and 020). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Pasture, Staffordshire, Keele, England.

Conidiobolus rhyosporus Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 448 [CBS 157.56] ATCC (12588) ← C Drechsler. Decaying vegetable detritus. Acc'd 28 Apr 1980. USA: Laplace, Louisiana. CULTURE EX TYPE.

Conidiobolus stromoideus Srinivasan & Thirumalachar

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 8430 B Huang (L051115B3). Nov 2005. USA: Ithaca, New York.

Conidiobolus thromboides Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. Major synonyms: *Entomophthora virulenta* Hall & Dunn, *Entomophthora pyriformis* Thoizon, *Entomophthora destruens* Weiser & Batko.

- 2 [ARSEF 3364; CSIRO EM570] FR Holbrook. *Myzus persicae* [Hemiptera: Aphididae]. May 1972. USA:

greenhouse, Aroostook State Farm, Presque Isle, Maine.

- 5 RS Soper. Adult, [Diptera: Heliomyzidae]. 31 Jul 1972. USA: Aroostook State Farm, Presque Isle, Maine.
- 15 [ARSEF 115, 208, 3360, 3361; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] ATCC (14270) ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Rec'd 2 Oct 1972. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.
- 22 RS Soper ← JE Henry. [Orthoptera: Acrididae]. 1973. USA: Bozeman, Montana.
- 29 RS Soper ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 19 Apr 1982. USA: California.
- 39 RS Soper. *Myzus persicae* [Hemiptera: Aphididae]. 12 Mar 1973. USA: State of Maine Potato Field, Homestead, Florida.
- 40 [ARSEF 3362; RG Kenneth 3024] *Macrosiphum euphorbiae* [Hemiptera: Aphididae]. 1973. USA: Aroostook State Farm, Presque Isle, Maine.
- 41 [ARSEF 3359; RG Kenneth 3023] *Myzus persicae* [Hemiptera: Aphididae]. Aug 1974. USA: Aroostook State Farm, Presque Isle, Maine.
- 42 [ARSEF 117 (lost); RG Kenneth 3025] N Wilding (3). *Aphis fabae* [Hemiptera: Aphididae]. Jul 1973. United Kingdom: field collection, Bedfordshire, England.
- 57 RS Soper. *Myzus persicae* [Hemiptera: Aphididae]. 29 Aug 1975. USA: Rogers Farm, Stillwater, Maine.
- 58 [Hemiptera: Aphididae]. 18 May 1975. Commonwealth of Independent States.
- 59 [Hemiptera: Aphididae]. 25 Jul 1975. Commonwealth of Independent States.
- 63 [CSIRO EM557] *Myzus persicae* [Hemiptera: Aphididae]. 27 Jul 1975. Commonwealth of Independent States.
- 64 27 Jul 1975. Commonwealth of Independent States.
- 70 [ARSEF 3363; IPLB 4] G Remaudière ← R Krejzova. *Culex pipiens pipiens* [Diptera: Culicidae]. Acc'd Feb 1978. Czech Republic.
- 73 [CSIRO EM534; FPMI 28] RG Kenneth (3040) ← ATCC (24419) ← DM MacLeod ← G Thoizon. *Rhopalosiphum insertum* [Hemiptera: Aphididae]. Rec'd 18 Jan 1976. France: Val-de-Marne, La Varenne.
- 83 [CSIRO EM551, EM572] RG Kenneth (3086) or (E.a. 38) ← A Uziel. *Aphis gossypii* [Hemiptera: Aphididae] on pomegranate. 1976. Israel: Sedé Eliyahu.
- 84 [ARSEF 85] I Majchrowicz (14 10.6). Reisolate of ARSEF 22. Rec'd 6 Jul 1976. Laboratory manipulation.
- 85 [ARSEF 84] I Majchrowicz (14 10.6). Reisolate of ARSEF 22. Rec'd 6 Jul 1976. Laboratory manipulation.

- 86 [ARSEF 87] I Majchrowicz (17 16.6). [Diptera]. Sep 1974. Poland: Wielkopolski National Park.
- 87 [ARSEF 86] I Majchrowicz (17 16.6). [Diptera]. Sep 1974. Poland: Wielkopolski National Park.
- 99 N Wilding (8) ← EG Voronina. *Myzus persicae* [Hemiptera: Aphididae]. 1963. Commonwealth of Independent States: St. Petersburg, Russia.
- 100 [CSIRO EM552, EM573] N Wilding (9) ← EG Voronina. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 1963. Commonwealth of Independent States.
- 101 [ARSEF 1733] N Wilding (1). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 102 [ARSEF 1734, 363; CSIRO EM503] N Wilding (2). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 115 [ARSEF 15, 208, 3360, 3361; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] ATCC (14270) ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Acc'd 18 Dec 1987. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.
- 120 [IPLB 19] JP Latgé and G Remaudière. *Uroleucon* sp. [Hemiptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.
- 194 I Ben-Ze'ev (38). *Aphis gossypii* [Hemiptera: Aphididae] on pomegranate tree. Apr 1976. Israel: Sedé Eliyahu.
- 208 [ARSEF 115, 15, 3360, 3361; ATCC 14270; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] G Hartmann ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Rec'd Mar 1978. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.
- 242 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 244 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 245 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 246 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 247 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 248 I Majchrowicz ← EG Voronina. [Hemiptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.
- 249 I Majchrowicz ← EG Voronina. [Hemiptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.
- 250 I Majchrowicz ← EG Voronina. [Hemiptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.
- 363 [ARSEF 102, 1734] CSIRO (EM503) ← N Wilding (2). *Cavariella theobaldi* [Hemiptera: Aphididae]. Acc'd 27 Jul 1979. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 630 I Majchrowicz (106). *Aphis fabae* [Hemiptera: Aphididae]. 16 Jul 1981. Poland: Gumience, Szczecin.
- 631 I Majchrowicz (107). *Aphis fabae* [Hemiptera: Aphididae]. 16 Jul 1981. Poland: Szczecin.
- 632 I Majchrowicz (110). *Aphis fabae* [Hemiptera: Aphididae]. 25 Jul 1981. Poland: Gryfino, Szczecin.
- 633 I Majchrowicz (109). *Aphis fabae* [Hemiptera: Aphididae]. 23 Jul 1981. Poland: Stanpanel.
- 634 I Majchrowicz (111). *Aphis fabae* [Hemiptera: Aphididae]. 27 Jul 1981. Poland: Szczecin.
- 635 I Majchrowicz (108). *Aphis fabae* [Hemiptera: Aphididae]. 18 Jul 1981. Poland: Szczecin.
- 649 JS Ferguson. *Myzus persicae* [Hemiptera: Aphididae] on potato (*Solanum tuberosum*). 7 Aug 1981. USA: Arlington Experimental Farm, Columbia County, Wisconsin.
- 1006 J Aoki (Ent. 15) ← H Tomiyama. [Hemiptera: Aphididae]. Nov 1976. Japan: Fuchu, Tokyo Prefecture.
- 1733 [ARSEF 101] N Wilding (1). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 1734 [ARSEF 102, 363; CSIRO EM503] N Wilding (2). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 1735 N Wilding (8). *Aphis fabae* [Hemiptera: Aphididae]. Jul 1973. United Kingdom: Woburn Farm, Bedfordshire, England.
- 2828 MG Feng (MD8903). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2829 MG Feng (MD8907). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2849 MG Feng (MD8902). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2850 MG Feng (MD8908). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2914 LL Hotz. *Diuraphis tritici* [Hemiptera: Aphididae]. Rec'd 17 Nov 1989. USA: mixed field collection from Bozeman and Mocassin, Montana.
- 2955 MS Goettel. *Schizaphis graminum* [Hemiptera: Aphididae]. 25 Sep 1989. Canada: Writing-on-Stone Prov. Park, Warner County, Alberta.
- 3129 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 28 Sep 1990. USA: Hoffman field # 6B, Catherine, New York.

- 3359 [ARSEF 41] Acc'd 31 Jul 1991. Location not specified. ARSEF 41 resting spores stored at 4°C on 14 May 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3359.
- 3360 [ARSEF 115] Acc'd 31 Jul 1991. Location not specified. ARSEF 115 resting spores stored at 4°C on 23 March 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3360.
- 3361 [ARSEF 15] Acc'd 31 Jul 1991. Location not specified. ARSEF 15 resting spores stored at 4°C on 9 July 1975 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3361.
- 3362 [ARSEF 40] Acc'd 31 Jul 1991. Location not specified. ARSEF 40 resting spores stored at 4°C on 31 January 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3362.
- 3363 [ARSEF 70] Acc'd 31 Jul 1991. Location not specified. ARSEF 70 resting spores stored at 4°C from 25 March – 27 April 1976 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3363.
- 3364 [ARSEF 2] Acc'd 31 Jul 1991. Location not specified. ARSEF 2 resting spores stored at 4°C from 16 December – 13 January 1974 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3364.
- 4968 J Hatting (A). *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1995. South Africa: Bethlehem, Free State.
- 6000 Rec'd 3 Dec 1998.
- 6001 Rec'd 3 Dec 1998.
- 6381 AA Callaghan (42) or (04 and 037). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 6662 M Shternshis. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 1981. Russian Federation: Novosibirsk Region.
- 7209 AE Hajek (03 NY 7-3-1). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.
- 7210 AE Hajek (03 NY 7-3-2). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.
- 7211 AE Hajek (03 NY 7-3-3). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.
- 7215 [SRCAMB B-156] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.
- 11664 KA Koch. *Aphis glycines* [Hemiptera: Aphididae]. Jul 2005. USA: University of Minnesota Outreach, Research, and Education Park, Rosemount, Minnesota. GPS Coordinates: N 44.7080722, W 93.0993032.

Cordyceps sp.

[Sordariomycetes: Hypocreales]

Family cannot be determined since this genus in its old, broad sense is now segregated among several genera in three families

- 3718 RA LeBrun ← J Hanula (C-4). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.
- 4846 JM Sung (C-208). Adult, [Hemiptera: Pentatomidae]. 9 Jul 1993. Republic of Korea: Yongmoon Mt., Gyeonggi Province.
- 4848 JM Sung (C-317). Larva, Host not specified. 5 Jul 1994. Republic of Korea: Seolag Mt., Kangwon-do.
- 4851 JM Sung (C-328). Adult, [Hymenoptera: Apidae]. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwon-do.
- 4852 JM Sung (C-331). Adult, *Sitophilus oryzae* [Coleoptera: Curculionidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.
- 4854 JM Sung (C-356). Adult, [Orthoptera: Acrididae]. 25 Jul 1994. Republic of Korea: Mt. Myungji, Gyeonggi Province.
- 4855 JM Sung (C-402). Pupa, Host not specified. 31 Aug 1994. Republic of Korea: Kangwon National University.
- 4856 JM Sung (C-414). Pupa, Host not specified tree branch. 31 Aug 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University.
- 4875 JM Sung (C-128). Rec'd Feb 1995.
- 4876 JM Sung (C-278). Rec'd Feb 1995.
- 4936 H Sato (F522). Host not specified. 16 Jun 1995. Location not specified.
- 6281 [RCEF 0243] [Hemiptera: Cicadellidae]. 8 Aug 1996. PR China: Guizhou Province.
- 6349 [RCEF 0244] [Hemiptera: Cercopidae]. 8 Aug 1996. PR China: Guizhou Province.
- 7807 [SRCAMB VLI-83/C] V Likhovidov. Rec'd 29 Sep 2003.
- 7808 [SRCAMB VL-470] V Likhovidov. [Lepidoptera] Isolated from stroma. Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-164.
- 7811 [SRCAMB VL-375] V Likhovidov. [Lepidoptera] Isolated from stroma. Jul 2002. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-166.
- 7848 [SRCAMB B-47] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Scarabaeidae] Isolated from stroma. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-200.
- 9486 [SRCAMB VL-1610/3] V Likhovidov. Pupa, [Lepidoptera]. Sep 2004. Russian Federation: Kavkazkiy Nature Reserve, Krasnodarsky Krai. Field Collection Number F-766.

- Cordyceps agriota*** A Kawamura
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps agriotidis* A Kawamura (originally published as *C. agriota*)
-
- 5692 JM Sung (KEFC-550). Larva, Phylum Arthropoda, Class Insecta. 28 Jul 1995. Republic of Korea: Ji-am Ri, Chuncheon, Kangwon-do.
- Cordyceps bassiana*** ZZ Li, CR Li, B Huang & MZ Fan
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: resembles *Beauveria bassiana* (Balsamo-Crivelli) Vuillemin
-
- 7047 [RCEF 0711] M Fan and Z Li. Larva, [Lepidoptera: Cossidae]. 3 Sep 2000. PR China: Guniujiang National Nature Reserve, Shitai County, Anhui. CULTURE EX TYPE.
- Cordyceps bifusispora*** O Eriksson
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 5690 JM Sung (KEFC-402). Pupa, Phylum Arthropoda, Class Insecta. 31 Aug 1994. Republic of Korea: Bong-Myung Ri, Chuncheon, Kangwon-do.
- Cordyceps brongniartii*** Shimazu
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 7516 M Shimazu (F-621). Larva, *Anomala cuprea* [Coleoptera: Scarabaeidae]. 27 Jul 1987. Japan: Nishidake, Nagano Prefecture. Isolated from a perithecium. Anamorph is *Beauveria brongniartii*. Identification verified genomically.
- 7517 M Shimazu (F-638). Larva, *Anomala cuprea* [Coleoptera: Scarabaeidae]. 16 Apr 1988. Laboratory manipulation. Isolated from an ascospore. Anamorph is *Beauveria brongniartii*. Identification verified genomically.
- Cordyceps cardinalis*** Sung & Spatafora
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 7192 JW Spatafora (OSC 93609) and GH Sung. [Lepidoptera: Tineidae: Archolophinae]. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee. CULTURE EX HOLOTYPE.
- 7193 JW Spatafora (OSC 93610) and GH Sung. [Lepidoptera: Tineidae: Archolophinae]. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee.
- 7194 JW Spatafora (OSC 93612) and GH Sung. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee.
- 7195 JW Spatafora (OSC 93613) and GH Sung. 19 Jul 2000. Hen Wallow Trail.
- 7196 JW Spatafora (OSC 93614) and GH Sung. 25 Jul 2000.
- 7197 JW Spatafora (OSC 93616) and GH Sung. 25 Jul 2000.
- 7198 JW Spatafora (OSC 93617). 25 Jul 2000.
- 7199 25 Jul 2000.
- Cordyceps gunnii*** (Berkeley) Berkeley
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 6828 G Gates. 28 Mar 2001. Australia: Wielangta State Forest, Lake St. Clair, Tasmania.
- Cordyceps isarioides*** Curtis ex Masee
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Cordyceps tuberculata* (Lebert) Maire
-
- 5688 JM Sung (KEFC-199). [Lepidoptera]. 25 Jun 1992. Republic of Korea: Bong-Myung Ri, Chuncheon, Kangwon-do.
- Cordyceps militaris*** (Linnaeus:Fries) Link
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Verticillium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.
-
- 2416 M Shimazu (F-522). [Lepidoptera: Geometridae]. 17 Jun 1985. Japan: Mt. Akagi.
- 4081 KT Hodge (C1). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4082 KT Hodge (C2). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4083 KT Hodge (C3). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4084 KT Hodge (C4). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4085 KT Hodge (D1). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4086 KT Hodge (D2). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4087 KT Hodge (D3). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4088 KT Hodge (D4). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.
- 4089 KT Hodge (D5). Pupa, [Lepidoptera] Mixed hemlock/beechn. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

- 4838 KT Hodge (kth28a). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4839 KT Hodge (kth28b). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4840 KT Hodge (kth28c). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4841 KT Hodge (kth28d). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4842 KT Hodge (kth28e). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4845 JM Sung (C-171). Pupa inside of cocoon, [Lepidoptera]. 12 Sep 1992. Republic of Korea: Kangweon Nation University Experiment Forest.
- 4847 JM Sung (C-275). Adult, Host not specified. 4 Sep 1993. Republic of Korea: Yongmoon Mt., Gyeonggi Province.
- 4857 JM Sung (C-418). Pupa, Host not specified. 3 Sep 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University.
- 4869 JM Sung (C-225-1). Larva, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4873 JM Sung (C-238). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4874 JM Sung (C-273). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Mt. Chil-gap, Choong-Chung Nam Do.
- 5002 KT Hodge (kth31A-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5003 KT Hodge (kth31A-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5004 KT Hodge (kth31A-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5005 KT Hodge (kth31A-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5006 KT Hodge (kth31A-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5007 KT Hodge (kth31A-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5008 KT Hodge (kth31A-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5009 KT Hodge (kth31A-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5010 KT Hodge (kth31A-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5011 KT Hodge (kth31A-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5012 KT Hodge (kth31C-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5013 KT Hodge (kth31C-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5014 KT Hodge (kth31C-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5015 KT Hodge (kth31C-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5016 KT Hodge (kth31C-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5017 KT Hodge (kth31C-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

- 5062 KT Hodge (kth31G-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.
- 5804 DJ Lodge. Rec'd 7 Aug 1998. USA: Big Tree Trail, Puerto Rico. Ascospore culture from specimen accessioned as PR-4894.
- 6248 [RCEF 0095] Pupa, [Lepidoptera]. 27 Jul 1997. PR China: Anhui. Chains of conidia with Mariannaea-like orientation but not sliming down to Lecanicillium state as normally expected.
- 7809 [SRCAMB B-79] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-165.
- 7810 [SRCAMB B-90] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-168.
- 8011 BC King (CmE). Spring 2003. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AB027379 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator.*
- 8012 BC King (CmN). Larva, [Lepidoptera]. Spring 2003. USA: Allegheny National Forest, Pennsylvania. **RESTRICTED ACCESS:** *consult Curator.*
- 9484 [SRCAMB VL-1983] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma. 12 Aug 2005. Russian Federation: Moscow Region. Field Collection Number F-854.
- 11703 T Wen (LG-11-15). Pupa, [Lepidoptera]. 2011. PR China: Leigong Mountain, Guizhou Province.
- 11704 T Wen (KM-1). Pupa, [Lepidoptera]. 2005. PR China: Kunming, Yunnan Province.
- Cordyceps ochraceostromata*** Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 5691 JM Sung (KEFC-535). Larva, Phylum Arthropoda, Class Insecta. Summer 1995. Republic of Korea: Chiag Mt., Kangwon-do.
- Cordyceps pruinosa*** Petch
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Mariannaea pruinosa* ZQ Liang
-
- 5693 JM Sung (KEFC-628). Pupa, Phylum Arthropoda, Class Insecta. 17 Aug 1995. Republic of Korea: Won-Pyung Ri, Chuncheon, Kangwon-do.
- 7221 [SRCAMB B-297] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. 8 Jul 2003. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-324.
- 11723 T Wen ((4-2)). Pupa, [Lepidoptera]. 2006. PR China: Qingcheng Mountain, Sichuan Province.
- 11724 T Wen (CP). Pupa, [Lepidoptera]. 2008. PR China: Leigong Mountain, Guizhou Province.
- Cordyceps pseudoinsignis*** Cooke & Ravanel
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 7222 [SRCAMB B-247] V Likhovidov ← BA Borisov. Larva, Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 14 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-308.
- Cordyceps roseostromata*** Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 4870 JM Sung (C-228). Larva, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4871 JM Sung (C-234). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4872 JM Sung (C-237). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- Cordyceps scarabaeicola*** Kobayasi
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Beauveria*
-
- 7277 JM Sung (EFCC 2533). [Coleoptera: Chrysomelidae]. 6 Aug 1998. Nepal.
- 7278 JM Sung (EFCC 2535). [Coleoptera: Chrysomelidae]. 6 Aug 1998. Nepal.
- Cordyceps spegazzinii*** Torres, Bischoff & White
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 7850 JF Bischoff (JB211) and JF White Jr. Aug 2003. Panama: Barro Colorado Island.
- Cordyceps staphylinidaecola*** Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Beauveria*
-
- 5718 [ARSEF 6719] JM Sung (KEFC-783). Larva, Phylum Arthropoda, Class Insecta. 16 Sep 1995. Republic of Korea: Mt. Samak, Chuncheon, Kangwon-do. **RESTRICTED ACCESS:** *contact Curator.*
- 6719 [ARSEF 5718] JM Sung (KEFC-783). Larva, Phylum Arthropoda, Class Insecta. 16 Sep 1995. Republic of Korea: Mt. Samak, Chuncheon, Kangwon-do. **RESTRICTED ACCESS:** *contact Curator.*
- 6720 JM Sung (KEFC-2899). 12 May 1999. Republic of Korea: Department of Environmental Biology, Kangwon National University, Chuncheon, Kangwon-do. Reisolation from stroma of KEFC-783 produced in culture. **RESTRICTED ACCESS:** *contact Curator.*

Crypticola clavulifera Humber, Frances & Sweeney in
Frances, Sweeney & Humber
[Peronosporomycetes: Myzocytiosporales]
Crypticolaceae

1940 [ARSEF ?2529; ATCC 76239] SP Frances and AW
Sweeney. Larva, *Forcipomyia marksae* [Diptera:
Ceratopogonidae] breeding in the leaf axils of *Taro*
sp. 8 Jun 1985. Australia: Millaa Millaa, Queensland.

Culicinomyces bisporalis Sigler, Frances & Panter
[Sordariomycetes: Hypocreales]

1948 [UAMH 5174] SP Frances (MM1) and AW Sweeney.
Larva, *Aedes kochi* [Diptera: Culicidae] breeding
in leaf axils. 4 Jun 1984. Australia: Millaa Millaa,
Queensland.

1949 [UAMH 5175] SP Frances (MM2) and AW Sweeney.
Larva, *Aedes kochi* [Diptera: Culicidae] breeding
in leaf axils. 8 Jun 1985. Australia: Millaa Millaa,
Queensland. **RESTRICTED ACCESS:** consult
Curator.

Culicinomyces clavisporus Couch, Romney & Rao
[Sordariomycetes: Hypocreales]

372 [UAMH 4848] JN Couch. *Anopheles quadrimaculatus*
[Diptera: Culicidae]. Rec'd 1979. USA: University
Lake, Chapel Hill, North Carolina.

582 [UAMH 4849] LS Olive (single spore isolate #1)
← SV Romney. *Anopheles quadrimaculatus* [Diptera:
Culicidae]. Rec'd 10 Apr 1981. USA: University Lake,
Chapel Hill, North Carolina.

583 [UAMH 4869] LS Olive (single spore isolate #2)
← SV Romney. *Anopheles quadrimaculatus* [Diptera:
Culicidae]. Rec'd 10 Apr 1981. USA: University Lake,
Chapel Hill, North Carolina.

584 [UAMH 4850] LS Olive (single spore isolate #3)
← SV Romney. *Anopheles quadrimaculatus* [Diptera:
Culicidae]. Rec'd 10 Apr 1981. USA: University Lake,
Chapel Hill, North Carolina.

585 LS Olive (single spore isolate #4) ← SV Romney.
Anopheles quadrimaculatus [Diptera: Culicidae].
Rec'd 10 Apr 1981. USA: University Lake, Chapel
Hill, North Carolina.

644 [ARSEF 541 (lost)] AW Sweeney (298A). Larva,
Anopheles amictus hilli [Diptera: Culicidae]. Rec'd
13 Oct 1981. Australia: Sydney, New South Wales.

645 AW Sweeney (298B). Larva, *Anopheles amictus hilli*
[Diptera: Culicidae]. Rec'd 13 Aug 1981. Australia:
Sydney, New South Wales.

706 [UAMH 4851] AL Knight. Larva, [Diptera: Culicidae].
Rec'd Feb 1982. USA: North Carolina.

964 [ATCC 52635; CBS 755.83; IMI 280342] UAMH
(4618) ← MS Goettel (FI-59). Larva, *Culiseta in-*
ornata [Diptera: Culicidae]. 12 Aug 1982. Canada:
pond, N of Devon, Alberta.

1260 UAMH (4854) ← MS Goettel (25B). Larva, *Culiseta*
inornata [Diptera: Culicidae]. Acc'd 3 May 1984.
Laboratory manipulation.

2471 SP Frances (MI2). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 8 Dec 1981. Australia: Mittagong, New
South Wales.

2472 SP Frances (MI4). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 5 Jan 1982. Australia: Mittagong, New
South Wales.

2473 SP Frances (MI5). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 12 May 1982. Australia: Mittagong, New
South Wales.

2474 SP Frances (MI7). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 19 May 1982. Australia: Mittagong, New
South Wales.

2475 SP Frances (MI11). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 9 Jun 1982. Australia: Mittagong, New
South Wales.

2476 SP Frances (MI17). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 18 Aug 1982. Australia: Mittagong, New
South Wales.

2477 SP Frances (MI19). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 6 Apr 1983. Australia: Mittagong, New
South Wales.

2478 SP Frances (MI21). Larva, *Dasyhelea* sp. [Dip-
tera: Ceratopogonidae]. 27 Apr 1983. Australia:
Mittagong, New South Wales.

2479 SP Frances (VI1). Larva, *Culiseta inconspicua* [Dip-
tera: Culicidae]. 6 Dec 1984. Australia: Mallacoota,
Victoria.

2480 SP Frances (QI1) ← DW Roberts and AW Sweeney.
Larva, *Forcipomyia marksae* [Diptera: Ceratopogo-
nidae]. 16 Aug 1985. Australia: Millaa Millaa,
Queensland.

2481 SP Frances (QI2). Larva, *Forcipomyia marksae*
[Diptera: Ceratopogonidae]. 30 Oct 1985. Australia:
Millaa Millaa, Queensland.

2482 UAMH (4854) ← MS Goettel (25B). *Culiseta in-*
ornata [Diptera: Culicidae]. Acc'd 19 Nov 1987.
Laboratory manipulation.

2526 SP Frances (MI14). Rec'd 26 Oct 1987. Location not
specified.

2527 SP Frances (MI16). Rec'd 26 Oct 1987. Location not
specified.

2622 MS Goettel ← SP Frances (MI26) and AW Sweeney.
[Diptera: Culicidae]. Acc'd 20 Oct 1988. Australia.

Curvularia sp.

[Dothideomycetes: Pleosporales]

Pleosporaceae

6367 Adult, female, *Zulia carbonaria* [Hemiptera: Cercopi-
dae]. 28 Jun 1998. Colombia: Santander de Quilichao,
Cauca.

Cylindrocarpon sp.

[Sordariomycetes: Hypocreales]

Nectriaceae

- 5758 BL Parker (SPT 035). *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1998. Turkey: Graek, Kalayak, Elbistan, Kahraman Maras.
- 8043 E Herrera Navarro (V3 - Aphid). *Diatraea saccharalis* [Lepidoptera: Pyralidae] isolate passed through *Brevicoryne brassicae* [Homoptera: Aphididae]. Rec'd 24 May 2006. Mexico: Tecomán, Colima.
- 8044 E Herrera Navarro (V3 - Leps). *Diatraea saccharalis* [Lepidoptera: Pyralidae] isolate passed through *Helicoverpa zea* [Lepidoptera: Noctuidae]. Rec'd 24 May 2006. Mexico: Tecomán, Colima.

Dactylaria brochopaga Drechsler

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 5662 SL Glockling. Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Dactylaria candida (Nees) Saccardo

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 5588 SL Glockling (K1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Dactylella sp.

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 6372 Adult, male, *Aeneolamia varia* [Hemiptera: Cercopidae]. 2 Jul 1999. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.

Dactylella aphrobrocha Drechsler

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 5589 SL Glockling (16). Phylum Nemata from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.

Dactylella doedycoides Drechsler

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 5661 SL Glockling. Phylum Nemata from horse manure. 11 Nov 1997. United Kingdom.

Dactylella heterospora Drechsler

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 5660 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

Dactylella leptospora Drechsler

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 5590 SL Glockling (LD2). Phylum Nemata from soil and vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

Dactylella oxyspora (Saccardo & Marchal) Matsushima

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 4801 [CBS 497.92] A Rubner (AR 922). From soil. Mar 1992. USA: California.

Doratomyces(?) sp.

[Sordariomycetes: Microascales]

Microascaceae

- 9367 [ERL 1667] S Gouli and V Gouli (HWA-G-20). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

Drechmeria coniospora (Drechsler) Gams & Jansson

[Sordariomycetes: Hypocreales]

- 2468 [CBS 615.82] BM Zuckerman ← HB Jansson. Phylum Nemata, Class Secernentea. Rec'd 12 Nov 1987. Sweden. **RESTRICTED ACCESS:** *consult Curator.*
- 3346 P Timper ← BA Jaffee (M-19) ← R Mankau. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California. **RESTRICTED ACCESS:** *consult Curator.*
- 3354 P Timper (C1). Phylum Nemata, Class Secernentea. Mar 1991. USA: Minns Garden, Cornell University, Ithaca, New York. **RESTRICTED ACCESS:** *consult Curator.*
- 5591 SL Glockling (CS1). Phylum Nemata from cow manure. 10 Aug 1997. United Kingdom: N.E. England.
- 5592 SL Glockling (A4). Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.
- 5739 [ARSEF 2468] Rec'd 23 Jun 1998.
- 6962 JE Williams (1). 18 Dec 2001. Plant Protection Research Unit laboratory reisolation of ARSEF 2468.
- 6963 JE Williams (2). 18 Dec 2001.
- 6964 18 Dec 2001.
- 6965 18 Dec 2001.
- 6966 18 Dec 2001.
- Drechslerella dactyloides* (Drechsler) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonym: *Arthrobotrys dactyloides* Drechsler
- 2934 [ARSEF 3353 (deaccessioned)] BA Jaffee (Ad3). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field # 3, Solano County, California.

- 3371 KT Hodge ← P John (RhΔ). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.
- 3372 KT Hodge ← P John (Rh2). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.
- 3373 KT Hodge ← P John (74☺). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.
- 3733 BA Jaffee (CR106). Rec'd 1 Jun 1992. USA: Merced County, California.
- 4955 N Viaene (3). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Dutch Ridge Road, Oswego, New York.
- 5433 BA Jaffee (CR157). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.
- 5586 SL Glockling (LD2). Phylum Nemata from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.
- 5587 SL Glockling (CS3a). Phylum Nemata from soil and vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.
- Duddingtonia flagrans*** (Duddington) RC Cooke
[Orbiliomycetes: Orbiliales]
Orbiliaceae
-
- 5701 BA Jaffee (AN171). From garden compost. Nov 1997. USA: Davis, Yolo County, California.
- Elaphocordyceps capitata*** (Holmskjold) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps capitata* (Holmskjold : Fries) Link
-
- 8009 BC King (Cc). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. Oct 2004. USA: near Breitenbush Hot Springs, Detroit, Oregon. GenBank match - AY489721 (99.28%) LSU. **RESTRICTED ACCESS:** consult Curator.
- Elaphocordyceps ophioglossoides*** (Ehrhart : Fries)
GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps ophioglossoides* (Ehrhart : Fries) Link. Anamorph: *Verticillium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.
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- 4826 KT Hodge (kth29a). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4827 KT Hodge (kth29b). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4828 KT Hodge (kth29c). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4829 KT Hodge (kth29d). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4830 KT Hodge (kth29e). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4831 KT Hodge (kth29f). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4832 KT Hodge (kth29g). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4833 KT Hodge (kth29h). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4834 KT Hodge (kth29i). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4835 KT Hodge (kth29j). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4836 KT Hodge (kth29k). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4837 KT Hodge (kth29l). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

- 8013 BC King (Co). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. Fall 2004. Canada: Campbell River, British Columbia. GenBank match - AJ309360 (100%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 9485 [SRCAMB VL-2127] V Likhovidov. *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 25 Aug 2006. Russian Federation: Tver Region. Field Collection Number F-147.

Engyodontium album (Limber) de Hoog
[Hyphomycetes]

- 6002 KT Hodge. [Araneida: ?Pholcidae]. 7 Dec 1998. USA: house basement, 9754 Savercool Road, Trumansburg, New York.
- 7712 [SRCAMB VL-70/E] V Likhovidov. [Araneida]. Oct 2001. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-230.
- 7713 [SRCAMB B-229] V Likhovidov ← BA Borisov. Isolated from soil sample. 2001. Russian Federation: Kholm, Novgorod Region. Field Collection Number F-263.
- 9454 [SRCAMB VL-1508/1] V Likhovidov. [Araneida]. 9 Sep 2004. Russian Federation: Caucasus Mountains, Sochi District, Krasnodarsky Krai. Field Collection Number F-517.

Engyodontium aranearum (Cavara) W Gams, de Hoog, Samson & HC Evans
[Hyphomycetes]

- 2929 [MU 248] MA Vincent (2609). *Pholcus phalangoides* [Araneida: Pholcidae]. 6 Sep 1987. USA: moist basement, 6888 Burch Rd., Richland Twp. sect. 22, Darke County, Ohio.
- 2935 [MU 302] MA Vincent (3201). *Pholcus phalangoides* [Araneida: Pholcidae]. Jul 1989. USA: moist basement, 6888 Burch Rd., Richland Twp. sect. 22, Darke County, Ohio.
- 6441 KS Hansen. Phylum Arthropoda, Class Arachnida. 13 Feb 2000. USA: stone cellar, 578 Valley Road, Brooktondale, New York.

Engyodontium rectidentatum (Matsush.) W. Gams, de Hoog, Samson & H.C. Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7805 [SRCAMB B-158] V Likhovidov ← BA Borisov. [Coleoptera: Scarabaeidae] Isolated from unripened stroma. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-269.

Engyodontium(?) sp.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 9475 [SRCAMB VL-70/2S] V Likhovidov. [Araneida].

Oct 2001. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-248.

- 9476 [SRCAMB VL-1687] V Likhovidov. [Hemiptera: Psyllidae]. 19 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-769.

Entomophaga sp.
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 393 [FPMI 770] S Keller (114). Larva, [Lepidoptera]. Rec'd 27 May 1980. Switzerland.
- 1126 DW Roberts (020184-2A). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 2 Jan 1984. Philippines: IRRI, Los Baños, Manila.
- 1230 [CNPAF 84-04-09-1B; CP 130] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 9 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1881 DW Roberts (110485-2) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae] on cacao. 11 Apr 1985. Solomon Islands: nr. Honiara, Guadalcanal.

Entomophaga asiatica Humber, Soper & Shimazu in Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

- 1393 RS Soper (84627-6). [Orthoptera: Acrididae]. 27 Jun 1984. Japan: nr. Tsuruga, Fukui Prefecture.
- 1659 M Shimazu (F-457) and RS Soper. *Parapodisma* sp. [Orthoptera: Acrididae]. Jun 1984. Japan: Fukui Prefecture.

Entomophaga aulicae (Reichardt in Bail) Humber
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains will grow as wall-less protoplasts in liquid tissue culture media or as walled hyphae on solid culture media.

- 51 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: 12.4 mi from Rt. 11/159 in Patten, Shin Pond, Maine.
- 164 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1977. USA: forest-lower, nr. Carroll, Maine.
- 165 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. Jul 1977. USA: Sherman, Maine.
- 166 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-lower, nr. Carroll, Maine.
- 167 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-upper, nr. Carroll, Maine.

- 168 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-upper, nr. Carroll, Maine.
- 172 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. Jul 1977. USA: forest-lower, Shin Pond, Maine.
- 198 [ARSEF ?998; FPMI 707] RG Kenneth (3136) ← J Aoki. *Aedia leucomelas* [Lepidoptera: Noctuidae] on *Ipomea batatas* (sweet potato). 29 Oct 1976. Japan: Fuchu, Tokyo Prefecture.
- 251 JG Hamm. ?*Heliothis* sp. [Lepidoptera: Noctuidae] on sorghum. Rec'd Sep 1978. USA: GA Coastal Plain Experiment Station, Tifton, Georgia.
- 998 [ARSEF ?198] J Aoki (Ent. 14) ← A Ohkawa. *Aedia leucomelas* [Lepidoptera: Noctuidae]. Oct 1976. Japan: Fuchu, Tokyo Prefecture.
- 1140 [ARSEF 1656] M Shimazu (F-339). [Lepidoptera]. 8 Apr 1982. Japan: Ibaraki Prefecture.
- 1655 [ARSEF 1142 (lost); CSIRO EM693] M Shimazu (F-343). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. Rec'd Oct 1984. Japan: Ibaraki Prefecture.
- 1656 [ARSEF 1140] M Shimazu (F-339). [Lepidoptera]. Rec'd Oct 1984. Japan: Ibaraki Prefecture.
- 1657 [CSIRO EM690] M Shimazu (F-327). *Mamestra brassicae* [Lepidoptera: Noctuidae]. Acc'd 19 Oct 1984. Japan: Ibaraki Prefecture.
- 1751 J Mitsuhashi (Emb-1). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 29 Oct 1984. Japan: Ibaraki Prefecture.
- 1990 FPMI (491). *Lambdina fiscellaria lugubrosa* [Lepidoptera: Geometridae]. 16 Aug 1972. Canada: Coquitlam, British Columbia.
- 1991 FPMI (458). *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 8 Sep 1970. Canada: Boots Brook, Newfoundland.
- 1992 FPMI (889). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 5 Jul 1985. Canada: Black Sturgeon, Ontario.
- 1993 FPMI (771). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 25 Jun 1984. Canada: Black Sturgeon, Ontario.
- 1994 FPMI (776). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 22 Jun 1984. Canada: Black Sturgeon, Ontario.
- 1995 FPMI (777). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 22 Jun 1984. Canada: Black Sturgeon, Ontario.
- 1997 FPMI (894). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 29 Jul 1985. Canada: Black Sturgeon, Ontario.
- 1998 FPMI (877). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 11 Sep 1979. Canada: Thessalon, Ontario.
- 1999 FPMI (576). *Pseudaletia* sp. [Lepidoptera: Noctuidae]. 18 Jul 1976. Canada: Sault Ste. Marie, Ontario.
- 2000 FPMI (513). *Enypia griseata* [Lepidoptera: Geometridae]. 1975. Canada: British Columbia.
- 2362 M Shimazu (F-554-4). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2363 M Shimazu (F-553-3). *Autographa gamma* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2365 M Shimazu (F-553-1). *Autographa gamma* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2366 M Shimazu (F-555). *Colias erate poliographus* [Lepidoptera: Pieridae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2367 M Shimazu (F-554-3). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2368 M Shimazu (F-554-2). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2369 M Shimazu (F-554-1). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2372 M Shimazu (F-531). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 14 May 1986. Japan: Chiyoda-mura, Ibaraki Prefecture.
- 2373 M Shimazu (F-530-2). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 6 May 1986. Japan: Sakura-mura, Chiba Prefecture.
- 2374 M Shimazu (F-530-1). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 6 May 1986. Japan: Sakura-mura, Chiba Prefecture.
- 2843 JC Silver ← A Sands. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. Aug 1989. USA: Wilmington, Vermont.
- 2896 FPMI (521). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 13 Jul 1973. Canada: Newfoundland.
- 2897 FPMI (626). *Dryocampa rubicunda* [Lepidoptera: Saturniidae]. 1973. Canada: Ontario.
- 2898 FPMI (646). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 27 Jul 1978. Canada: Newfoundland.
- 2899 FPMI (717). *Rheumaptera hastata* [Lepidoptera: Geometridae]. 16 Aug 1982. Canada: Gargantua, Ontario.
- 2900 FPMI (893). *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 29 Jul 1983. Canada: Gander, Newfoundland.
- 2901 FPMI (934). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 2 Jul 1986. Canada: Black Sturgeon, Ontario.

- 2902 FPMI (597). *Heterocampa* sp. [Lepidoptera: Notodontidae]. 2 Aug 1976. Canada: St. Joseph's Island, Ontario.
- 2903 FPMI (598). *Ellida caniplaga* [Lepidoptera: Notodontidae]. 10 Aug 1976. Canada: St. Joseph's Island, Ontario.
- 2904 FPMI (600). *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 22 Jul 1976. Canada: Hilton Beach, Ontario.
- 2905 FPMI (602). *Heterocampa biundata* [Lepidoptera: Notodontidae]. 14 Aug 1976. Canada: St. Joseph's Island, Ontario.
- 3016 MH Griggs. Larva, [Lepidoptera: Noctuidae]. 9 Jul 1990. USA: Game Farm Rd., Ithaca, New York.
- 3039 AE Hajek. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 3 Aug 1990. USA: Stamford, New York.
- 3212 AE Hajek. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 3 Aug 1990. USA: Stamford, New York. Resting spores from ARSEF 3039.
- 3602 AE Hajek. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 10 Jun 1991. USA: McGowan Woods, Ithaca, New York. Resting spores.
- 4004 [AE Hajek A-OV] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4005 [AE Hajek] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4006 [AE Hajek] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4007 AE Hajek. Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4008 AE Hajek (D-OV). Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 17 Aug 1993. USA: Bodega Bay, California.
- 7140 AE Hajek (03 ME 1-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Coastal Studies Center, Orrs Island, Maine.
- 7141 AE Hajek (03 ME 2-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: 601 Merriman Point, Harpswell Neck, Maine.
- 7142 AE Hajek (03 ME 3-1-2). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Yarmouth, Maine.
- 7143 AE Hajek (03 ME 4-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Old Ledge School, Yarmouth, Maine.
- 7144 AE Hajek (03 ME 5-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Windy Hill, Bailey Island, Maine.
- 7145 AE Hajek (03 ME 6-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: CCI CV, Bailey Island, Maine.
- Entomophaga australiensis*** Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
- 328 [FPMI 767] RS Soper (P-38). *Cicadella* sp. [Hemiptera: Cicadellidae] on rice. Feb 1979. Australia: Arriga, Queensland.
- 331 [ARSEF 332 (lost)] RS Soper ← K Chandler. *Cicadetta puer* [Hemiptera: Cicadidae] on sugar cane. 14 Feb 1979. Australia: Cairns, Queensland.
- 365 RS Soper. *Cicadetta puer* [Hemiptera: Cicadidae]. 13 Feb 1979. Australia: Cairns, Queensland.
- 581 RS Soper (81223-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.
- 743 [CNPAF 82-3-10-04; CP 33] RS Soper. [Hemiptera: Cicadellidae]. 10 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.
- 791 [CNPAF 82-5-7-3D-1; CP 44] RA Daoust and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 7 May 1982. Brazil: 4 km from Goianinha, Rio Grande do Norte.
- 1888 RS Soper. Reisolate of ARSEF 743. 10 May 1982. Brazil: CNPAF, Goiânia, Goiás.
- 1920 P Taylor. Reisolate of ARSEF 331 passed through *Sogatodes oryzicola* [Homoptera: Delphacidae]. Jul 1985. Laboratory manipulation.
- Entomophaga calopteni*** (Bessey) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.
- 383 RA Humber ← DM MacLeod. *Melanoplus flavidus* [Orthoptera: Acrididae]. 3 Aug 1979. USA: Sheridan, Wyoming.
- 390 RA Humber ← RS Soper. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 3 Aug 1979. USA: Sheridan, Wyoming.
- 408 RA Humber. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 2 Aug 1979. USA: Broadus, Montana.
- 497 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 27 Jun 1979. USA: Salt Water Canyon, Eagar, Arizona.
- 498 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 5 Jul 1980. USA: White River, South Dakota.
- 500 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae] resting spore isolate passed through *Locusta migratoria* [Orthoptera: Acrididae]. Summer 1980. Laboratory manipulation.
- 623 BJ Martinell (004B(M. cun haem)). *Melanoplus cuneatus* [Orthoptera: Acrididae]. 18 Jun 1981. USA: Southwater Canyon, Arizona.

- 625 BJ Martinell (014B). *Melanoplus packardii* [Orthoptera: Acrididae]. 1 Jul 1981. USA: alfalfa field, Eagar, Arizona.
- 626 BJ Martinell (004A(M. cun femur)). *Melanoplus cuneatus* [Orthoptera: Acrididae]. 18 Jun 1981. USA: Southwater Canyon, Arizona.
- 646 BJ Martinell. *Melanoplus cuneatus* [Orthoptera: Acrididae]. 1 Jul 1981. USA: Eagar, Arizona.
- 2522 DG Holdom ← WA Ramoska. *Melanoplus differentialis* [Orthoptera: Acrididae]. Acc'd 8 Dec 1987. USA: Kansas.
- Entomophaga conglomerata*** (Sorokin) S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
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- 2273 EL Cuebas-Incle (II). Adult, [Diptera: Chironomidae]. 25 Sep 1986. USA: Michigan Hollow, Danby, New York.
- Entomophaga macleodii*** Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.
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- 375 [FPMI 647] DM MacLeod. *Dissosteira carolina* [Orthoptera: Acrididae]. 20 Apr 1989. Canada: nr. river bank, Iron Bridge, Ontario.
- 376 [FPMI 625] DM MacLeod. *Dissosteira carolina* [Orthoptera: Acrididae]. 21 Jul 1977. Canada: nr. river bank, Iron Bridge, Ontario.
- 382 RS Soper. *Dissosteira carolina* [Orthoptera: Acrididae]. Aug 1979. USA: 12 Redwood Lane, Ithaca, New York.
- 496 RA Humber and BJ Martinell. *Camnula pellucida* [Orthoptera: Acrididae]. 28 Jun 1980. USA: Rodeo fairground, Alpine, Arizona.
- 499 RA Humber, BJ Martinell and RS Soper. *Dissosteira carolina* [Orthoptera: Acrididae]. 17 Jul 1980. USA: Ithaca, New York.
- 618 BJ Martinell (003(Rodeo)). *Camnula pellucida* [Orthoptera: Acrididae]. 16 Jun 1981. USA: Rodeo fairground, Alpine, Arizona.
- 619 BJ Martinell (001(FSA)). *Camnula pellucida* [Orthoptera: Acrididae]. 16 Jun 1981. USA: Forest Service plot A, Alpine, Arizona.
- 620 BJ Martinell (006(Judd B proto)). *Camnula pellucida* [Orthoptera: Acrididae]. 27 Jun 1981. USA: Judd Dam plot B, nr. Alpine, Arizona.
- 621 BJ Martinell (010(AlpineA)). *Camnula pellucida* [Orthoptera: Acrididae]. 29 Jun 1981. USA: Alpine plot A, Alpine, Arizona.
- 624 BJ Martinell (011(JuddA)). *Camnula pellucida* [Orthoptera: Acrididae]. 29 Jun 1981. USA: Judd Dam plot A, nr. Alpine, Arizona.
- 628 BJ Martinell (008). *Camnula pellucida* [Orthoptera: Acrididae]. 27 Jun 1981. USA: Alpine plot B, Alpine, Arizona.
- 629 BJ Martinell (002). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jun 1981. USA: Forest Service plot B, Alpine, Arizona.
- 765 BJ Martinell (41). *Camnula pellucida* [Orthoptera: Acrididae]. 28 Jul 1982. USA: Judd Dam, nr. Alpine, Arizona.
- 767 BJ Martinell (1). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Jepson's Ranch, Alpine, Arizona.
- 768 BJ Martinell (3). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Rodeo fairground, Alpine, Arizona.
- 769 BJ Martinell (13). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.
- 770 BJ Martinell (20). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 23 Jul 1982. Laboratory manipulation.
- 771 BJ Martinell (21). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 23 Jul 1982. Laboratory manipulation.
- 772 BJ Martinell (12). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus packardii* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.
- 773 BJ Martinell (10). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Rodeo fairground, Alpine, Arizona.
- 774 BJ Martinell (25). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.
- 775 BJ Martinell (11) and RS Soper. *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus packardii* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.
- 776 BJ Martinell (8) and RS Soper. *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.
- 777 BJ Martinell (28). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: Judd Dam, nr. Alpine, Arizona.
- 778 BJ Martinell (23). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.
- 779 BJ Martinell (22). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC flats, nr. Alpine, Arizona.
- 3077 L Postie (Reisolate 1). Reisolate of ARSEF 768 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Apr 1990. Laboratory manipulation.

- 3078 L Postie (Reisolate 2). Reisolate of ARSEF 768 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Apr 1990. Laboratory manipulation.
- 3079 L Postie (Reisolate 3). Reisolate of ARSEF 3078 passed through *Camnula pellucida* [Orthoptera: Acrididae]. 6 Aug 1990. Laboratory manipulation.
- 4948 JA Correa (I) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4949 JA Correa (II) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4950 JA Correa (III) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4951 JA Correa (IV) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. Rec'd 9 Aug 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon.
- 4952 JA Correa (V) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4953 JA Correa (VI) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- Entomophaga maimaiga*** Humber, Shimazu & Soper in Soper, Shimazu, Humber, Ramos & Hajek [Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains will grow as wall-less protoplasts in liquid tissue culture media or as walled hyphae on solid culture media.
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- 1390 RS Soper (84626-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1391 [FPMI 963] RS Soper (84626-7-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1392 [FPMI 964] RS Soper (84626-7-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1400 [FPMI 952] RS Soper (84626-7). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1658 M Shimazu (F-446). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Ishikawa Prefecture.
- 1746 M Shimazu. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 28 Nov 1984. Laboratory manipulation.
- 2370 M Shimazu (F-541-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jul 1986. Japan: Sakuramura, Chiba Prefecture.
- 2371 M Shimazu (F-541-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jul 1986. Japan: Sakuramura, Chiba Prefecture.
- 2661 AE Hajek. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 23 Oct 1988. Laboratory manipulation.
- 2775 AE Hajek (CTIV-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 21 Jun 1989. USA: Wilton, Connecticut.
- 2779 AE Hajek. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 25 Jun 1989. USA: Northampton, Massachusetts.
- 2780 AE Hajek. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jul 1989. USA: North Conway, New Hampshire.
- 3052 AE Hajek (L1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1990. USA: Ward Pound Ridge Reservation, Westchester County, New York.
- 3053 AE Hajek (L3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1990. USA: Ward Pound Ridge Reservation, Westchester County, New York.
- 3110 AE Hajek. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Feb 1989. Laboratory manipulation.
- 3762 AE Hajek ← JC Silver. Rec'd 10 Jul 1992. Location not specified.
- 3828 AE Hajek (001-TA). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3829 AE Hajek (001-TB). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3830 AE Hajek (001-TC). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3831 AE Hajek (001-TD). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3832 AE Hajek (001-TE). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3833 AE Hajek (001-TF). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3834 AE Hajek (001-TG). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3835 AE Hajek (001-TH). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3880 S Walsh (3762T23) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation. Culture maintained for genetic variance studies.

- 3887 S Walsh (Hr 56). Rec'd 19 Feb 1993. Culture maintained for genetic variability.
- 3913 M Welton (FPMI 992). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 8 Jun 1992. Canada: Kingston, Ontario region, Adolphostown Twp, Ontario.
- 4504 AE Hajek (Ci-1) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Park, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4505 AE Hajek (C.i.-2) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Park, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4506 AE Hajek (C.i.-3) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Forest, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4507 AE Hajek (C.i.-4) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Forest, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4508 AE Hajek (I.S.-1). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.
- 4509 AE Hajek (I.S.-2). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.
- 4510 AE Hajek (I.A.-3). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.
- 4545 AE Hajek (B-20MD#2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 30 May 1994. Isolated through *Lymantria dispar* larvae.
- 4549 AE Hajek (I.S. 4) or (94 NY1-4A). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.
- 4550 AE Hajek (I.S. 5). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.
- 4551 AE Hajek (I.S. 6). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.
- 4552 AE Hajek (VA - A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Union Springs, Rockingham County, Virginia.
- 4553 AE Hajek (VA - C). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Little River, Rockingham County, Virginia.
- 4554 AE Hajek (VA - E). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Big Mary's, Rockingham County, Virginia.
- 4555 AE Hajek (VA - F). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Wiggins Springs, Rockingham County, Virginia.
- 5377 AE Hajek (96 MD A2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5378 AE Hajek (96 MD A2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5379 AE Hajek (96 MD B2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5380 AE Hajek (96 MD B2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5381 AE Hajek (96 MD B2-3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5382 AE Hajek (96 MD B2-4). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5383 AE Hajek (96 MD B2-5). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5384 AE Hajek (96 MD B2-6). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5385 AE Hajek (96 MD C2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5386 AE Hajek (96 MD D2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5387 AE Hajek (96 MD D2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5388 AE Hajek (96 MD E2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5389 AE Hajek (96 MD E2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5390 AE Hajek (96 MD F2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

- 5391 AE Hajek (96 NY B2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5392 AE Hajek (96 NY C2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5393 AE Hajek (96 NY C3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5394 AE Hajek (96 NY D1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5395 AE Hajek (96 NY D2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5396 AE Hajek (96 NY D3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5397 AE Hajek (96 NY E1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5398 AE Hajek (96 NY E2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5399 AE Hajek (96 NY E3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5400 AE Hajek (96 NY F1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5401 AE Hajek (96 NY F3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5563 AE Hajek (96MA1-1A). Rec'd 3 Nov 1997.
- 5564 AE Hajek (96MA1-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 9 May 1996. USA: Quabbin Reservoir, Franklin County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 5565 AE Hajek (92NJ1-1A). Rec'd 3 Nov 1997.
- 5566 AE Hajek (94VA2-2A). Rec'd 3 Nov 1997.
- 5567 AE Hajek (94VA2-2B). Rec'd 3 Nov 1997.
- 5568 AE Hajek (97VA10-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1997. USA: Elliot Spring Run, Butler field plot 1, George Washington National Forest, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 5569 AE Hajek (96VA9-1A). Rec'd 10 Nov 1997.
- 5570 AE Hajek (96VA9-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Dec 1996. USA: Archer Run, Deerfield Ranger District, Butler field plot 2, George Washington National Forest, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5571 AE Hajek (97VA10-1B). Rec'd 10 Nov 1997.
- 5572 AE Hajek (92NJ1-1B). Rec'd 13 Nov 1997.
- 5711 AE Hajek (96MA1-1C). Rec'd 13 May 1998.
- 6004 AE Hajek (98 MA2-8A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6005 AE Hajek (98 MA2-14A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6006 AE Hajek (98MI1-2A). Rec'd 21 Jan 1999.
- 6007 AE Hajek (98MI1-2B). Rec'd 21 Jan 1999.
- 6051 AE Hajek (98MA2-4A). Rec'd 19 Feb 1999.
- 6052 AE Hajek (98MA2-4B). Rec'd 19 Feb 1999.
- 6053 AE Hajek (98MI1-1A). Rec'd 19 Feb 1999.
- 6054 AE Hajek (98MI1-1B). Rec'd 19 Feb 1999.
- 6105 AE Hajek (98MA2-6B). Rec'd 31 Mar 1999.
- 6106 AE Hajek (98MA2-8B). Rec'd 31 Mar 1999.
- 6161 AE Hajek (96 MD B2-4). Rec'd 12 May 1999.
- 6162 AE Hajek (98 JP2-9A). Rec'd 12 May 1999.
- 6163 AE Hajek (98 JP2-5B). Rec'd 12 May 1999.
- 6168 AE Hajek (94 WV1-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: Hawes Run, Pendleton County, West Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6169 AE Hajek (94 VA8-1A) or (VA-IVY). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: IVY Branch, Amherst County, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6170 AE Hajek (99 WV2-2C). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Malacosoma disstria* exposed to sporulating cadaver.

- 6171 AE Hajek (98 JP3-5A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6172 AE Hajek (98 JP3-5B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6173 AE Hajek (99 WV2-2A). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Lymantria dispar* after passage through *Malacosoma disstria* exposed to sporulating cadaver of *M. americanum*.
- 6174 AE Hajek (99 WV2-2B). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Lymantria dispar* after passage through *Malacosoma disstria* exposed to sporulating cadaver of *M. americanum*.
- 6212 AE Hajek (98 JP2-5A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6218 AE Hajek (94 VA4-3A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: Mines Run, George Washington National Forest, Rockingham County, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6223 AE Hajek (98 JP2-22B). Rec'd 25 Aug 1999.
- 6224 AE Hajek (98 JP2-10B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6253 AE Hajek (98 JP2-4A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6254 AE Hajek (98 JP2-10A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6255 AE Hajek (98 JP2-14A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6256 AE Hajek (98 JP2-14B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6257 AE Hajek (98 JP2-22A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6258 AE Hajek (98 JP3-8A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6264 AE Hajek (98 JP2-22B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6265 AE Hajek (98 JP3-8B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6266 AE Hajek (98 JP3-9A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6267 AE Hajek (98 JP2-21A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6268 AE Hajek (98 JP3-9B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6269 AE Hajek (98 MA2-2A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6270 AE Hajek (98 MA2-2B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6271 AE Hajek (98 MA2-6A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6272 AE Hajek (98 MA2-14B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in

- laboratory upon exposure to germinating resting spores in field-collected soil.
- 6523 AE Hajek (99 MI9-1A). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1999. USA: Site #9, Oceana County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6524 AE Hajek (99 MI9-2A). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1999. USA: Site #9, Oceana County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6625 AE Hajek (00 NY 1-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 2000. USA: Yellow Barn State Forest, Dryden, New York. Host infected in laboratory upon exposure to field-collected sporulating cadaver of *L. dispar*.
- 6626 AE Hajek (00 MI 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6627 AE Hajek (00 MI 17-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6628 AE Hajek (00 MI 19-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 19, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6629 AE Hajek (00 MI 24-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 24, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6630 AE Hajek (00 MI 27-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 27, Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6652 AE Hajek (00 MI 2-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 2, Grand Traverse County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6653 AE Hajek (00 MI 4-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 4, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6654 AE Hajek (00 MI 18-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 18, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6655 AE Hajek (00 MI 28-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6656 AE Hajek (00 MI 29-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6657 AE Hajek (00 MI 33-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6663 AE Hajek (00 MI 2-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 2, Grand Traverse County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6664 AE Hajek (00 MI 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6665 AE Hajek (00 MI 3-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6666 AE Hajek (00 MI 12-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6667 AE Hajek (00 MI 12-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6668 AE Hajek (00 MI 12-2-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6724 AE Hajek (00 MI 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6725 AE Hajek (00 MI 19-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2001. USA: Stand 19, Newaygo County, Michigan. Host infected in

- laboratory upon exposure to germinating resting spores in field-collected soil.
- 6726 AE Hajek (00 MI 24-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 2003. USA: Stand 24, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6727 AE Hajek (00 MI 27-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 27, Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6728 AE Hajek (00 MI 17-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6729 AE Hajek (00 MI 17-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7101 AE Hajek (99 MI 5-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Mason County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7102 AE Hajek (99 MI 27). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7103 AE Hajek (00 MI 29-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7104 AE Hajek (01 JP 4-11-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7105 AE Hajek (01 JP 4-12-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7106 AE Hajek (99 MI 28-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7107 AE Hajek (00 MI 28-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7108 AE Hajek (00 MI 28-1-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7109 AE Hajek (00 MI 29-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7110 AE Hajek (00 MI 33-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7111 AE Hajek (00 MI 33-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7112 AE Hajek (01 JP 4-11-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7113 AE Hajek (01 JP 4-11-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7114 AE Hajek (01 JP 4-12-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7115 AE Hajek (99 MI 21). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7116 AE Hajek (01 JP 4-12-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7120 AE Hajek (03 PA 1-1-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7121 AE Hajek (03 PA 1-1-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

- 7122 AE Hajek (03 PA 1-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7123 AE Hajek (03 MA 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7124 AE Hajek (03 MA 3-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7125 AE Hajek (03 MA 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7126 AE Hajek (03 MA 3-2-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7127 AE Hajek (03 RU 1-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 8 Jul 1999. Russian Federation: oak stand, Khabarovsk. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7131 AE Hajek (03 PA 2-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 54, north of Danville, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7132 AE Hajek (03 PA 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Klein Road, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7133 AE Hajek (03 PA 4-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Comfort Road, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7134 AE Hajek (03 PA 5-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Cold Run Road, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7135 AE Hajek (03 PA 6-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 890, north of Trevorton, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7136 AE Hajek (03 PA 7-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Southampton Twp near town of Chaneyville, Bedford County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7137 AE Hajek (03 MA 3-2-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7138 AE Hajek (03 MA 3-2-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7139 AE Hajek (02 CN 1-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS5, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7183 AE Hajek (02 CN 1-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS3, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7184 AE Hajek (02 CN 1-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS3, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7185 AE Hajek (03 JP 5-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7186 AE Hajek (03 JP 5-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7187 AE Hajek (03 JP 5-1-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7188 AE Hajek (03 JP 5-1-6). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7189 AE Hajek (03 JP 5-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

- 7190 AE Hajek (03 PA 1-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7352 AE Hajek (03 PA 5-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Cold Run Road, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7353 AE Hajek (03 PA 6-1-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 890, north of Trevorton, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

Entomophaga praxibuli Humber, Milner, & Soper (sp. nov., unpublished)

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

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- 840 RS Soper. *Praxibulus* sp. [Orthoptera: Acrididae]. 1983. Australia: Wanwibinda, New South Wales.
- 2721 ME Ramos. Reisolate of ARSEF 840 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Spring 1989. Laboratory manipulation.
- 2963 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2964 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2965 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2966 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2967 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.
- 2968 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.
- 2969 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.

- 2970 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.
- 3058 ME Ramos. *Empoasca vitis* [Hemiptera: Cicadellidae]. 10 Aug 1990. Laboratory manipulation. Reisolate of ARSEF 2964.
- 3059 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3060 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3061 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3068 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3069 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3356 ME Ramos (Cape). Reisolate of ARSEF 3059 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.
- 3357 ME Ramos (Mesa). Reisolate of ARSEF 3059 passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.
- 3358 ME Ramos (Mebi). Reisolate of ARSEF 3059 passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.

Entomophthora chromaphidis Burger & Swain

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. This taxon has been segregated from *Entomophthora planchoniana* Cornu (see Humber & Feng, 1991, Mycotaxon 51:497-504). Strains should be incubated at temperatures $\leq 20^{\circ}\text{C}$.

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- 1860 DG Holdom (UQE-2-2). *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Jun 1981. Australia: Lockyer Valley, Queensland.
- 1862 DG Holdom (UQE-15). *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Jan 1983. Australia: Lockyer Valley, Queensland.
- 1863 DG Holdom (UQE-21). *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Jan 1983. Australia: Lockyer Valley, Queensland.

Entomophthora culicis (Braun) Fresenius

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

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- 387 S Keller (55). [Diptera: Nematocera]. Rec'd 3 Oct 1979. Switzerland: Zürich.
- 5811 J Eilenberg (KVL 98-4). [Diptera: Chironomidae]. Aug 1997. Denmark: KVL garden, Copenhagen, Frederiksberg, Zealand.

Entomophthora ferdinandii S Keller ex S Keller
[Entomophthoromycetes : Entomophthorales]

6918 A Bruun Jensen (KVL 99-92). *Coenosia tigrina* [Diptera: Muscidae]. 29 Jul 1999. Denmark: Ørslev, Zealand.

Entomophthora muscae (Cohn) Fresenius
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. This taxon is a partially resolved species complex (see Keller, 1984, Mitt. Schweiz. Entomol. Ges. 57: 131-132). Most strains are provided only as vegetative protoplasts in liquid tissue culture medium.

- 392 [ARSEF 466 (lost)] S Keller (39). [Diptera]. Rec'd 18 Oct 1979. Switzerland.
- 454 RA Humber ← JP Kramer. *Musca domestica* [Diptera: Muscidae]. Mar 1980. USA: laboratory colony, Ithaca, New York.
- 556 RA Humber. *Musca domestica* [Diptera: Muscidae]. 11 Mar 1981. USA: JP Kramer's laboratory colony, Cornell University, Ithaca, New York.
- 557 BJ Martinell. *Musca domestica* [Diptera: Muscidae]. 10 Mar 1981. USA: Boyce Thompson Institute, Ithaca, New York.
- 651 BJ Martinell ← DE McCabe. *Pollenia rudis* [Diptera: Calliphoridae]. 5 Nov 1981. USA: Keuka Park, New York.
- 707 RA Humber. *Delia platura* [Diptera: Anthomyiidae]. 20 Feb 1982. United Kingdom: N Wilding's greenhouse colony, Rothamsted Experimental Station, Hertfordshire, England.
- 803 JD Vandenberg. *Musca domestica* [Diptera: Muscidae]. Acc'd 7 Mar 1988. USA: 119 Middaugh Rd., Brooktondale, New York.
- 826 DC Steinkraus. [Diptera: Syrphidae]. 1982. USA: Ithaca, New York.
- 2014 RA Humber. *Musca domestica* [Diptera: Muscidae]. 10 Mar 1981. USA: JP Kramer's laboratory colony, Cornell University, Ithaca, New York.
- 2087 TJ Poprawski (0195). Adult, [Diptera: Anthomyiidae] in rapeseed field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.
- 2088 TJ Poprawski (0196). Adult, [Diptera: Anthomyiidae] in rapeseed field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.
- 2089 TJ Poprawski (0197). Adult, *Delia* sp. [Diptera: Anthomyiidae] in sunflower field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.
- 2172 BA Mullens. *Musca domestica* [Diptera: Muscidae]. Acc'd 30 May 1986. USA: Riverside, California.
- 2263 TJ Poprawski (8617). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 16 Jun 1986. France: Béhoust, Yvelines.
- 2264 TJ Poprawski (8619). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 16 Jun 1986. France: Béhoust, Yvelines.
- 2265 TJ Poprawski (8622). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 19 Jun 1986. France: Béhoust, Yvelines.
- 2266 TJ Poprawski (8624). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 19 Jun 1986. France: Béhoust, Yvelines.
- 2317 TJ Poprawski (8640). Adult, *Delia* sp. [Diptera: Anthomyiidae] on sugar beet. 14 Oct 1986. France: Béhoust, Yvelines.
- 2542 J Eilenberg (KVL 3) ← U Olesen. *Musca domestica* [Diptera: Muscidae]. Sep 1986. Denmark: Ribe, Fjlskov, Jutland.
- 2665 J Eilenberg (KVL 46). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.
- 2668 J Eilenberg (KVL 16). *Delia radicum* [Diptera: Anthomyiidae]. 25 Jul 1986. Denmark: Svanholm, Malmöhus.
- 2670 J Eilenberg (KVL 45). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.
- 2673 J Eilenberg (KVL 50). [Diptera: Syrphidae]. 2 Aug 1988. Denmark: Roskilde, Zealand.
- 2674 J Eilenberg (KVL 51). *Delia radicum* [Diptera: Anthomyiidae]. 28 Jul 1988. Denmark: Roskilde, Zealand.
- 2675 J Eilenberg (KVL 44). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.
- 2678 J Eilenberg (KVL 17). [Diptera: Anthomyiidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 3074 RI Carruthers and SB Krasnoff. Adult, *Delia antiqua* [Diptera: Anthomyiidae]. 9 Oct 1990. USA: Prattsburg, New York.
- 5952 A Bruun Jensen (KVL 98-10). Adult, *Musca domestica* [Diptera: Muscidae]. 1 Sep 1998. Denmark: Dyssekilde, Hundested, Zealand.
- 5953 A Bruun Jensen (KVL 98-12). Adult, *Musca domestica* [Diptera: Muscidae]. 1 Sep 1998. Denmark: Dyssekilde, Hundested, Zealand.
- 5954 A Bruun Jensen (KVL 98-18). Adult, [Diptera: Muscidae]. 16 Aug 1998. Denmark: Amager, Zealand.
- 6121 A Bruun Jensen (KVL 99-1). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6122 A Bruun Jensen (KVL 99-2). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6123 A Bruun Jensen (KVL 99-3). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6124 A Bruun Jensen (KVL 99-5). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.

- 6125 A Bruun Jensen (KVL 99-6). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6126 A Bruun Jensen (KVL 99-7). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6127 A Bruun Jensen (KVL 99-8). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6128 A Bruun Jensen (KVL 99-9). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6129 A Bruun Jensen (KVL 99-10). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6130 A Bruun Jensen (KVL 99-11). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6131 A Bruun Jensen (KVL 99-12). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6132 A Bruun Jensen (KVL 99-13). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6133 A Bruun Jensen (KVL 99-14). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6134 A Bruun Jensen (KVL 99-15). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6135 A Bruun Jensen (KVL 99-16). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6136 A Bruun Jensen (KVL 99-17). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6140 A Bruun Jensen (KVL 99-22). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.
- 6141 A Bruun Jensen (KVL 99-23). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.
- 6164 A Bruun Jensen (KVL 99-4). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6165 A Bruun Jensen (KVL 99-21). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.
- 6274 A Bruun Jensen ← I Klingen (NCRI 1-99). Female, *Delia radicum* [Diptera: Anthomyiidae]. Aug 1999. Norway: Ski, Akershus.
- 6701 A Bruun Jensen (KVL 00-92). [Diptera]. 29 Jun 2000. Denmark: Hundested, Zealand.
- 6706 A Bruun Jensen (KVL 99-75). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hundested, Zealand.
- 6707 A Bruun Jensen (KVL 99-93). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.
- 6708 A Bruun Jensen (KVL 99-138). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.
- 6709 A Bruun Jensen (KVL 99-139). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Sengeløse, Zealand.
- 6710 A Bruun Jensen (KVL 01-21). *Delia radicum* [Diptera: Anthomyiidae]. 29 Jun 2000. Denmark: Hundested, Zealand.
- 6711 A Bruun Jensen (KVL 01-24). *Delia radicum* [Diptera: Anthomyiidae]. 23 Jul 2000. Denmark: Ørslev, Zealand.
- 6712 A Bruun Jensen (KVL 01-37). *Botanophila fugax* [Diptera: Anthomyiidae]. 30 Aug 2000. Denmark: Hegnstrup, Slangerup, Zealand.
- 6713 A Bruun Jensen (KVL 99-80). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6714 A Bruun Jensen (KVL 99-72). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6715 A Bruun Jensen (KVL 99-74). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6716 A Bruun Jensen (KVL 99-95). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6717 A Bruun Jensen (KVL 99-84). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.
- 6811 A Bruun Jensen (KVL 99-85). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.
- 6812 A Bruun Jensen (KVL 99-74). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6813 A Bruun Jensen (KVL 99-110). *Musca domestica* [Diptera: Muscidae]. 7 Oct 1999. Denmark: Knardrup, Zealand.
- 6814 A Bruun Jensen (KVL 99-109). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.
- 6815 A Bruun Jensen (KVL 99-102). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Sengeløse, Zealand.
- 6818 A Bruun Jensen (KVL 01-39). *Delia radicum* [Diptera: Anthomyiidae]. 18 Jul 2000. Denmark: Sengeløse, Zealand.
- 6821 A Bruun Jensen (KVL 01-22). *Delia radicum* [Diptera: Anthomyiidae]. 18 Jul 2000. Denmark: Sengeløse, Zealand.

7371 AE Hajek (04 NY 1-1-1). [Diptera]. 2 Jun 2004. USA: Yellow Barn State Forest, Dryden, New York.

Entomophthora planchoniana Cornu
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

6251 F Freimoser (ETH 16b). *Ovatus crataegarius* [Hemiptera: Aphididae] on *Mentha* sp. (Lamiaceae). Rec'd 17 Aug 1999. Denmark: in garden, Hundested, Zealand.

6252 F Freimoser (ETH 16c). *Ovatus crataegarius* [Hemiptera: Aphididae] on *Mentha* sp. (Lamiaceae). Rec'd 17 Aug 1999. Denmark: in garden, Hundested, Zealand.

Entomophthora scatophagae Giard
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

6704 A Bruun Jensen (KVL 00-60). *Scatophaga stercoraria* [Diptera: Scatophagidae]. 3 May 2000. Denmark: Tuse Næs, Zealand.

6705 A Bruun Jensen (KVL 00-61). *Scatophaga stercoraria* [Diptera: Scatophagidae]. 3 May 2000. Denmark: Tuse Næs, Zealand.

Entomophthora schizophorae S Keller & Wilding in S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

2540 J Eilenberg (KVL 1). *Psila rosae* [Diptera: Psilidae]. Aug 1984. Denmark: Strandholm, Fårevejle, Vestsjælland.

2541 J Eilenberg (KVL 2). *Psila rosae* [Diptera: Psilidae]. Sep 1985. Denmark: Strandholm, Fårevejle, Vestsjælland.

2667 J Eilenberg (KVL 13). *Psila rosae* [Diptera: Psilidae]. 23 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

5348 DW Watson. *Musca domestica* [Diptera: Muscidae]. Aug 1987. USA: Seward, Nebraska.

6137 A Bruun Jensen (KVL 99-18). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.

6138 A Bruun Jensen (KVL 99-19). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.

6139 A Bruun Jensen (KVL 99-20). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.

6142 A Bruun Jensen (KVL 99-24). Adult, *Musca domestica* [Diptera: Muscidae]. 10 Oct 1998. Denmark: Annisse, Zealand.

6143 A Bruun Jensen (KVL 99-25). Adult, *Musca domestica* [Diptera: Muscidae]. 10 Oct 1998. Denmark: Annisse, Zealand.

6703 A Bruun Jensen (KVL 01-38). *Pollenia* sp. [Diptera: Calliphoridae]. 2 Oct 2000. Denmark: Hundested, Zealand.

6816 A Bruun Jensen (KVL 00-94). *Pollenia* sp. [Diptera: Calliphoridae]. 2 Oct 2000. Denmark: Hundested, Zealand.

6817 A Bruun Jensen (KVL 00-93). *Pollenia* sp. [Diptera: Calliphoridae]. 4 Oct 2000. Denmark: Hundested, Zealand.

Entomophthora syrphi Giard
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

5955 A Bruun Jensen (KVL 98-19). Adult, *Triglyphus primus* [Diptera: Syrphidae]. 21 Aug 1998. Denmark: Zealand.

6702 A Bruun Jensen (KVL 01-36). *Platycheirus clypeatus* [Diptera: Syrphidae]. 9 Aug 2000. Denmark: Hegnstrup, Slangerup, Zealand.

6819 A Bruun Jensen (KVL 01-35). *Melanostoma scalare* [Diptera: Syrphidae]. Summer 2000. Denmark: Kalø, Jutland.

6820 A Bruun Jensen (KVL 01-34). *Melanostoma scalare* [Diptera: Syrphidae]. Summer 2000. Denmark: Kalø, Jutland.

Entomophthora thripidum Samson, Ramakers & Oswald
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

5868 A Grundschober (ETH 601). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6517 F Freimoser (ETH 602). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6518 F Freimoser (ETH 603). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6519 F Freimoser (ETH 604). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6520 F Freimoser (ETH 605). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6521 F Freimoser (ETH 607). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig. Re-isolate of ETH 603 [=ARSEF 6518] after passage through *Thrips tabaci*.

- 6522 F Freimoser (ETH 608). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig. Re-isolate of ETH 603 [=ARSEF 6518] after passage through *Thrips tabaci*.
- 6525 F Freimoser (ETH 606). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.
- Erynia* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains included here were not sufficiently identifiable to the species and have not been reidentified since publication of the entomophthoralean taxonomy used here (see Humber, 1989, Mycotaxon 34:441-460). In this classification these strains would be reassigned to *Pandora* Humber, *Furia* (Batko) Humber, *Erynia* (Nowakowski ex Batko) Remaudière & Hennebert, or *Zoophthora* Batko.
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- 876 [CNPAF 83-04-15-2B; CP 106] DW Roberts. [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.
- 880 [CNPAF 83-04-15-2A; CP 110] BP Magalhães and DW Roberts. Adult, [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.
- 884 [CNPAF 83-04-15-2C; CP 114] BP Magalhães and DW Roberts. Adult, [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.
- 983 J Aoki (Ent. 18) ← H Tomiyama. *Plutella xylostella* [Lepidoptera: Plutellidae]. Nov 1976. Japan: Fuchu, Tokyo Prefecture.
- 1052 J Aoki (Ent. 42) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1143 [CSIRO EM694] M Shimazu (F-344). *Eana argentana* [Lepidoptera: Tortricidae]. Acc'd 4 Apr 1984. Japan: Hokkaido Prefecture.
- 1241 [CNPAF 84-04-13-1C; CP 141] DW Roberts. Larva, [Lepidoptera]. 13 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1266 J Aoki (Ent. 34) ← M Shimazu. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.
- 1267 J Aoki (Ent. 37) ← M Shimazu. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.
- 1338 S Balazy (1559). [Diptera: Brachycera] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.
- 1666 JV Maddox, MR McGuire and MJ Morris. *Theorioaphis maculata* [Hemiptera: Aphididae] in clover field. May 1984. USA: Illinois.
- 2027 JA Harper. 4th instar larva, *Pseudophusia includens* [Lepidoptera: Noctuidae]. Acc'd 28 Oct 1985. USA: Auburn, Alabama.
- 2097 DG Holdom (130286). ?*Hydrellia* sp. [Diptera: Ephydriidae]. 13 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2279 IL Sivcev (20/86). [Hemiptera: Aphididae] on *Cichorium intybus*. 10 Jun 1986. Yugoslavia: Zemun, Belgrade.
- 2292 IL Sivcev (42/86). *Macrosiphum euphorbiae* [Hemiptera: Aphididae] on cabbage. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.
- 2294 IL Sivcev (55/86). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.
- 2495 J Eilenberg (KVL 14) ← T Møhl. [Diptera]. 30 Jun 1986. Denmark: Strandholm, Fårvevejle, Vestsjælland.
- 2507 J Eilenberg (KVL 39) and N Wilding. [Diptera: Chironomidae]. 31 Aug 1987. United Kingdom: Rothamsted Experimental Station, Hertfordshire, England.
- 2525 J Eilenberg (KVL 34). *Rhagozycha fulva* [Coleoptera: Cantharidae]. Aug 1987. Denmark: Holmegaards Mose, Zealand.
- 2536 J Eilenberg (KVL 18). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2537 J Eilenberg (KVL 23). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2538 J Eilenberg (KVL 20). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2539 J Eilenberg (KVL 22). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2553 [ARSEF 2662 (deaccessioned)] J Eilenberg (KVL 19) and J Martin. *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2663 J Eilenberg (KVL 33) ← J Martin. *Rhagozycha fulva* [Coleoptera: Cantharidae]. Aug 1987. Denmark: Holmegaards Mose, Zealand.
- 2664 J Eilenberg (KVL 40). [Coleoptera: Cantharidae]. Jun 1987. Denmark: Brogaard, Lammfjorden.
- 5352 KT Hodge. Adult, [Coleoptera: Cantharidae] Willow. 18 Jun 1996. USA: German Cross Road, Dryden, New York.
- 9537 [SRCAMB VL-1659] V Likhovidov. [Trichoptera]. 18 Sep 2004. Russian Federation: Mostovsky District, Krasnodarsky Krai. Field Collection Number F-768.
- Erynia aquatica*** (Anderson & Ringo in Anderson & Anagnostakis) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Vegetative growth of this species is very sparse and slow. Strains should be in liquid tissue culture media incubated at 0-4°C.
-
- 750 RA Humber and RG Lawlor. Adult, *Aedes* sp. [Diptera: Culicidae]. Acc'd 10 Dec 1987. USA: Cambridge, New York.

- 764 RA Humber and RG Lawlor. Pupa, [Diptera: Culicidae]. Jun 1982. USA: Memorial Rock, Sapsucker Woods, Ithaca, New York.
- Erynia conica*** (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 1439 N Hywel-Jones (H84178-2). *Simulium* sp. [Diptera: Simuliidae]. Jun 1984. United Kingdom: Fingle Bridge (River Teign), Devon, England.
- 1752 S Keller (527). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.
- 1753 S Keller (528). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.
- 2274 EL Cuebas-Incle (III). Adult, [Diptera: Chironomidae]. 2 Oct 1985. USA: Six Mile Creek, Brooktondale, New York.
- 2275 EL Cuebas-Incle (IV). Gravid female, [Diptera: Simuliidae]. 2 Oct 1985. USA: Six Mile Creek, Brooktondale, New York.
- 2405 RI Samuels. Adult, [Diptera: Chironomidae]. Sep 1986. United Kingdom: Avon, England.
- Erynia curvispora*** (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 1754 S Keller (529). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.
- 3229 M Nadeau (222). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3244 M Nadeau (241). Adult, [Trichoptera]. 20 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- Erynia ovispora*** (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 399 S Keller (100). [Diptera: Psychodidae]. 12 Jun 1978. Switzerland.
- 400 S Keller (102). [Diptera: Psychodidae]. 12 Jun 1978. Switzerland.
- Erynia rhizospora*** (Thaxter) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 219 LS Bauer. Adult, [Trichoptera]. Jun 1978. USA: Dover-Foxcroft, Maine.
- 801 EL Cuebas-Incle. Adult, [Trichoptera]. 24 Jul 1982. USA: outlet, Dryden Lake, Dryden, New York.
- 1440 RA Humber. Adult, [Trichoptera]. 2 Jul 1984. United Kingdom: Castle Drago (River Teign), Devon, England.
- 1441 RA Humber. Adult, [Trichoptera]. 2 Jul 1984. United Kingdom: Castle Drago (River Teign), Devon, England.
- 1442 E Descals (C-1756-4) and RA Humber. Adult, [Trichoptera]. 27 Jun 1984. Wales: polluted stream, Llanfair Caereinion, Powys.
- 1443 RA Humber. Adult, [Trichoptera]. 21 Jun 1984. United Kingdom: Steps Bridge, Devon, England.
- 2276 EL Cuebas-Incle (V). Adult, [Trichoptera]. 26 Jul 1985. USA: Michigan Hollow, Danby, New York.
- 2407 RI Samuels ← TB Clark and TC Reeves. Adult, [Trichoptera: Hydropsychidae]. Aug 1986. United Kingdom: Fingle Bridge (River Teign), Devon, England.
- Erynia sciarae*** (Olive) Ben-Ze'ev & RG Kenneth
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
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- 1870 N Wilding (80) ← G Remaudière. Adult, [Diptera: Mycetophilidae] on soil. 30 Sep 1976. Location not specified.
- Erynia sepulchralis*** (Thaxt.) Remaud. & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 12250 AE Hajek. Adult, [Diptera: Tipulidae]. 3 Jul 2013. USA: Yellow Barn State Forest, Dryden, New York.
- Eryniopsis caroliniana*** (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 640 [ARSEF 213 (deaccessioned)] S Keller (69). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.
- 641 [ARSEF 424 (lost)] S Keller (41). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.
- 642 [ARSEF 212 (deaccessioned)] S Keller (65). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.
- Eryniopsis ptychopterae*** S Keller & Eilenberg
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 2535 J Eilenberg (KVL 5). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 25 Aug 1986. Denmark: Kattinge Vig, Roskilde.
- 2671 J Eilenberg (KVL 48). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 9 Aug 1988. Denmark: Kattinge Vig, Roskilde.
- Escovopsis aspergilloides*** Seifert, Samson & Chapela
[Sordariomycetes: Hypocreales]
Hypocreaceae
-
- 5575 CR Currie (97T27). *Trachymyrmex* sp. [Hymenoptera: Formicidae] fungus growing on ant's fungus

garden. 14 May 1997. Panama: Soberania National Park.

***Escovopsis* sp.**

[Sordariomycetes: Hypocreales]
Hypocreaceae

5574 CR Currie (97AC1). *Acromyrmex octospinosus* [Hymenoptera: Formicidae] fungus growing on ant's fungus garden. 28 May 1997. Panama: Soberania National Park.

Escovopsis weberi Muchovej & Della Lucia

[Sordariomycetes: Hypocreales]
Hypocreaceae

5576 CR Currie (970518-4). *Atta colombica* [Hymenoptera: Formicidae] fungus growing on ant's fungus garden. 18 May 1997. Panama: near Fort Sherman.

Eurotiomycetes, genus undetermined

[Eurotiomycetes]

9360 [ERL 1646] S Gouli (HWA-G-1) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

9361 [ERL 1650] S Gouli (HWA-G-6) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

***Evlachovaea* sp.**

[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 959 [CNPAF 83-01-06B (CB 15); CP 105] RA Daoust ← SM de Carvalho. *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 6 Jan 1983. Brazil: Londrina, Paraná.
- 1017 HS Whitney (R599). Adult, *Dendroctonus rufipennis* [Coleoptera: Scolytidae]. Jun 1975. Canada: nr. Hixon, British Columbia.
- 1576 KV Deseö (93). Larva, *Monophadnus elongatulus* [Hymenoptera: Tenthredinidae]. Feb 1984. Italy: Bologna, Emilia-Romagna.
- 2297 DA Rodriguez Sierra (103 Bb). Larva, *Brassolis* sp. [Lepidoptera: Brassolidae]. Oct 1985. Colombia: Cumaral, Meta.
- 2545 SR Sánchez Peña. [Hymenoptera: Sphecidae]. 22 Jun 1987. Mexico: San Pedro (Chipinque), Nuevo León.
- 2613 SB Alves (715). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Apr 1988. Brazil: Moju, Pará.
- 2614 SB Alves (716). *Anteotricha* sp. [Lepidoptera: Oecophoridae]. Apr 1988. Brazil: Moju, Pará.
- 2615 SB Alves (717). *Anteotricha* sp. [Lepidoptera: Oecophoridae]. Apr 1988. Brazil: Moju, Pará.
- 2620 SB Alves (758). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Jun 1988. Brazil: Aracajú, Sergipe.
- 5703 JL Hatting (1). *Sitotroga cerealella* [Lepidoptera: Gelechiidae]. Sep 1997. South Africa: Bethlehem, Free State.

- 6146 A Moino Junior. Larva, *Chiromyza* sp. [Diptera: Stratiomyidae]. Feb 1999. Brazil: Lavras, Minas Gerais.
- 6635 SB Alves (ESALQ 1225). *Leptopharsa heveae* [Hemiptera: Tingidae]. 28 Sep 1998. Brazil: Itiquira, Mato Grosso.
- 6638 SB Alves (ESALQ 1228). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 25 Sep 2000. Brazil: Manaus, Amazonas.
- 6639 SB Alves (ESALQ 1229). *Leptopharsa heveae* [Hemiptera: Tingidae]. 29 Sep 1998. Brazil: Itiquira, Mato Grosso.
- 6640 SB Alves (ESALQ 1230). *Leptopharsa heveae* [Hemiptera: Tingidae]. 29 Sep 1998. Brazil: Itiquira, Mato Grosso.
- 6641 SB Alves (ESALQ 1235). *Leptopharsa heveae* [Hemiptera: Tingidae]. 11 Nov 1998. Brazil: Brasília, Distrito Federal.
- 7372 AE Hajek. Larva, *Plecia* sp. [Diptera: Bibionidae] from soil beneath *Eremochloa* sp., centipede grass. 4 Mar 2004. USA: Sod farm, Pearl River County, Mississippi.
- 7403 G Zimmermann (E 1622/01) ← U Heimbach. Larva, *Agriotes* sp. [Coleoptera: Elateridae]. Oct 2001. Germany: Neustadt an der Weinstrasse, Rheinhessen-Pfalz.
- 7543 BJ Cole (C6). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 969. Summer 2004. USA: Mesa County, Colorado.
- 7551 [CIAT 301] A Gaigl. *Phyllophaga menetriesi* [Coleoptera: Scarabaeidae]. 14 Jan 2004. Colombia: Caldon, Cauca. 1500 m elevation.
- 7599 [SRCAMB B-411] V Likhovidov ← BA Borisov. Larva, [Lepidoptera]. 1 Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-228.
- 7600 [SRCAMB VL-767] V Likhovidov. Pupa, [Lepidoptera] Isolated from synnema. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-226.
- 7601 [SRCAMB VL-768] V Likhovidov. Pupa, [Lepidoptera] Isolated from synnema. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-227.
- 7602 [SRCAMB VL-922] V Likhovidov. [Dermaptera]. 22 Aug 2002. Russian Federation: Astrakhanskiy Biosphere Reserve, Astrakhan Oblast. Field Collection Number F-229.
- 7990 Acc'd 27 Apr 2006.
- 7991 Acc'd 27 Apr 2006.
- 7992 Acc'd 27 Apr 2006.
- 7993 Acc'd 28 Apr 2006.
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- 8487 WC Luz (IP 141). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8488 WC Luz (IP 142). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
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- 9165 [ERL 759] M Brownbridge (CA-773) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9166 [ERL 760] M Brownbridge (CA-797) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9167 [ERL 761] M Brownbridge (CA-798) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9168 [ERL 762] M Brownbridge (CA-774) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9169 [ERL 763] M Brownbridge (CA-799) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 9173 [ERL 767] M Brownbridge (CA-776) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9174 [ERL 768] M Brownbridge (CA-777) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9185 [ERL 769] M Brownbridge (CA-745) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9186 [ERL 770] M Brownbridge (CA-746) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9187 [ERL 772] M Brownbridge (CA-779) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9188 [ERL 773] M Brownbridge (CA-800) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9189 [ERL 774] M Brownbridge (CA-747) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9190 [ERL 776] M Brownbridge (CA-780) and S Gouli. Isolated from soil sample. 2002. USA: California.
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Evlachovaea kintrischica Borisov & Tarasov
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7218 [CMPPB 150; SRCAMB B-184] V Likhovidov ← BA Borisov (B.B. 2). *Agelastica alni* [Coleoptera: Chrysomelidae] in litter. 21 Sep 1991. Republic of Georgia: Kintrishi Valley, near Cordon Tskhemlovani, Kintrishskiy Nature Reserve, Autonomous Republic of Adjara. 360 m elevation. Field Collection Number F-306. CULTURE EX TYPE.
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Exophiala sp.
[Eurotiomycetes: Chaetothyriales]
Herpotrichiellaceae

- 9362 [ERL 1652] S Gouli (HWA-G-7) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

Furculomyces boomerangus (MC Williams & Lichtwardt) MC Williams & Lichtwardt
[Kickxellomycotina: Harpellales]
Legeriomycetaceae

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- 9077 RW Lichtwardt (AUS-42-6). *Procladius paludicola* [Diptera: Chironomidae]. Apr 1987. Australia: Victoria.
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Furia sp.

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

6211 Acc'd 17 Feb 2000.

Furia americana (Thaxter) Humber

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 742 [CNPAF 82-3-10-01; CP 32] RS Soper. [Diptera]. 10 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.
- 1240 [CNPAF 84-03-30-4B; CP 140] DW Roberts. [Diptera]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 1242 [CNPAF 84-03-30-1A; CP 142] RA Daoust, BP Magalhães and DW Roberts. [Diptera]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 2192 [CNPAF 86-4-24; CP 202] SM dos Santos. [Diptera]. 24 Apr 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2194 [CNPAF 86-5-21-A; CP 204] SM dos Santos. [Diptera]. 21 May 1986. Brazil: CNPAF, Goiânia, Goiás.

Furia gastropachae (Raciborski) Filotas, Hajek & Humber

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Synonym: *Furia crustosa* (MacLeod & Tyrrell) Humber

- 2906 FPMI. [Lepidoptera]. Acc'd 3 Apr 1990. Canada.
- 5541 M Filotas (NY I1). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5542 M Filotas (NY I2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5543 M Filotas (NY V). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.

- 5544 M Filotas (NY Z). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5545 M Filotas (MD97 S1-1). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 6 Jun 1997. USA: Snow Hill, Maryland.
- 5546 M Filotas (MD97 S1-2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 6 Jun 1997. USA: Snow Hill, Maryland.
- 5547 M Filotas (CTLD A). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 19 Jun 1997. USA: State University of New York campus, Cortland, New York.
- 5869 [Forest Pest Management Institute FPMI 713] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 9 Jun 1982. Canada: Webbwood, Ontario.
- 5870 [Forest Pest Management Institute FPMI 922-1a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.
- 5871 [Forest Pest Management Institute FPMI 922-2a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.
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Furia ithacensis (Kramer) Humber

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 1339 S Balazy (1561). [Diptera: Empididae] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.
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- 8606 KT Hodge. Rec'd 14 Jun 2007.
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Furia neopyralidarum (Ben-Ze'ev) Humber

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 1145 M Shimazu (F-356). [Lepidoptera]. Acc'd 4 Apr 1984. Japan: Ibaraki Prefecture.

Furia pieris (Li & Humber) Humber

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 781 BF Usher. *Pieris rapae* [Lepidoptera: Pieridae].

- 27 Aug 1982. USA: Ellis Hollow Rd, Community Gardens, Ithaca, New York.
- Furia virescens*** (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
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- 394 S Keller (24). *Notostira elongata* [Hemiptera: Miridae]. 9 Oct 1975. Switzerland.
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- Fusarium* sp.**
[Sordariomycetes: Hypocreales]
Nectriaceae
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- 2252 [NRRL 25087] TJ Poprawski (8627). Adult, [Diptera: Bibionidae] on *Solidago* sp. 16 Jun 1986. France: Béhoust, Yvelines.
- 2303 [NRRL 52756] JE Moxon (2). *Heteropsylla cubana* [Hemiptera: Psyllidae]. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.
- 2333 [NRRL 25088] MG Feng (SA8602). *Sitobion avenae* [Hemiptera: Aphididae] on spring wheat. Summer 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.
- 2337 [NRRL 25089] MG Feng (RP8601). *Rhopalosiphum padi* [Hemiptera: Aphididae] on field corn. 2 Sep 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.
- 2414 K Narayanan (16). [Diptera]. Acc'd 6 May 1987. India.
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- 2568 [NRRL 25091] F Agudelo-Silva ← RL Bugg. Larva, *Chalcodermus aeneus* [Coleoptera: Curculionidae]. Nov 1987. USA: Tifton, Georgia.
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- 2776 G Riethmacher (EB4). *Plutella xylostella* [Lepidoptera: Plutellidae]. Acc'd 12 Nov 1989. Philippines: La Trinidad, Benguet.
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- 3031 [NRRL 25098] W Mechaber (weevil#1334). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.
- 3032 [NRRL 25099] W Mechaber (weevil#1354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.
- 3042 WE Jones (Hara). Phylum Nemata, Class Secernentea. Rec'd 7 Aug 1990. USA: Island of Hawaii, Hawaii.
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- 3532 [NRRL 25105] AE Hajek (167a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.

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- 3669 [NRRL 25107] TJ Poprawski (60). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on apple tree. 4 Feb 1992. USA: Monroy Estate, El Centro, California.
- 3670 [NRRL 25108] TJ Poprawski (5). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orchid tree. 3 Jan 1992. USA: Vogles Nursery, Holtville, California.
- 3671 [NRRL 25109] TJ Poprawski (7). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tangerine. 14 Jan 1992. USA: Broken Spoke Trailer Park, El Centro, California.
- 3672 [NRRL 25110] TJ Poprawski (19). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on ornamental kale. 30 Jan 1992. Mexico: Veracruz-Tobar Ranch, Est. Victoria, Mexicali Valley, Baja California.
- 3673 [NRRL 25111] TJ Poprawski (32). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on lemon tree. 22 Jan 1992. USA: Brawley, California.
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- 3676 [NRRL 25114] TJ Poprawski (2). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orange tree. 13 Jan 1992. Mexico.
- 3677 [NRRL 25115] TJ Poprawski (2A). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on cauliflower. 13 Jan 1992. Mexico.
- 3678 [NRRL 25116] TJ Poprawski (13). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on broccoli. 16 Jan 1992. USA: Calexico, California.
- 3679 [NRRL 25117] TJ Poprawski (15). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on kale. 17 Jan 1992. Mexico: Aranzga Ranch, Est. Victoria, Mexicali Valley, Baja California.
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- 3976 [NRRL 25121] LA Lacey (93013) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 4002 [NRRL 25122] LA Lacey (93039) ← Heruies. [Hemiptera: Aleyrodidae] on citrus. 30 Apr 1993. Brazil: Bahia.
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- 4238 [DAT 32; NRRL 52761] AC Rath (F32). Soil. 1987. Australia: Woodbury, Tasmania.
- 4713 [NRRL 52762] D Peck (5). Adult, female, *Prosapia nr. bicincta* [Hemiptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.
- 4714 [NRRL 52758] D Peck (7). Adult, female, *Prosapia nr. bicincta* [Hemiptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.
- 4715 [NRRL 52760] D Peck (9). Adult, male, *Prosapia nr. bicincta* [Hemiptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.
- 4825 [NRRL 52764] JD Vandenberg (27-2). Adult, *Oti-orhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
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- 5219 [NRRL 52753] M Melo (1). Larva, *Scrobipalpuloides absoluta* [Lepidoptera: Gelechiidae] on tomato. Rec'd 12 Jul 1996. Brazil: Pelotas, Rio Grande do Sul.
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- 5560 I Klingen (PVF 8.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5680 BL Parker (SPT-042). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1998. Turkey: Graek, Konor, Elbistan, Kahraman Maras.
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- 5726 L Erkiliç (95-1). *Aphis gossypii* [Hemiptera: Aphididae] on *Citrus*. 12 Jul 1995. Turkey: Adana, Adana.
- 5727 L Erkiliç (96-1). *Aphis gossypii* [Hemiptera: Aphididae] on *Gossypium*. 30 Jul 1996. Turkey: Adana, Adana.
- 5728 L Erkiliç (97-1). *Aphis gossypii* [Hemiptera: Aphididae] on *Gossypium*. 23 Aug 1997. Turkey: Adana, Adana.
- 5755 BL Parker (SPT 026/1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Al Kilabia.
- 5757 BL Parker (SPT 029/2). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Meshmehgan.
- 5803 BL Parker (HWA 310). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.
- 5825 BL Parker (AT 153). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.
- 5875 FE Vega (EBCL 98004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5878 FE Vega (EBCL 98011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5879 FE Vega (EBCL 98012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 19 Oct 1997. Uganda: Chesogok.
- 5881 FE Vega (EBCL 98021). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. Nov 1997. Benin: Cotonou, Atlantique.
- 6102 JL Hatting. *Orachrysops subravus* [Lepidoptera: Lycaenidae: Polymmatinae]. Rec'd Winter 1999. South Africa.
- 6225 FE Vega. *Lopholeucaspis japonica* [Hemiptera: Diaspididae]. 6 Oct 1998. Republic of Georgia: Batumi, Autonomous Republic of Adjara.
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- 6348 [CIAT 020; NRRL 52686] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 7 Apr 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6351 [CIAT 021; NRRL 52684] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 7 Apr 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6352 [CIAT 022; NRRL 52685] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6353 [CIAT 023; NRRL 52691] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6354 [CIAT 024; NRRL 52693] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6358 [CIAT 028; NRRL 52692] DC Peck. Adult, male, *Zulia colombiana* [Hemiptera: Cercopidae]. 18 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
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Fusarium acuminatum Ellis & Everhart
[Sordariomycetes: Hypocreales]
Nectriaceae

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Fusarium avenaceum (Fries) Saccardo
[Sordariomycetes: Hypocreales]
Nectriaceae

2060 [NRRL 25125] GC Carroll (2(HO-O-Hatch IV)). Egg
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Fusarium coccophilum (Desmazieres) Wollenweber &
Reinking
[Sordariomycetes: Hypocreales]
Nectriaceae

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[Hemiptera: Diaspididae]. Acc'd Winter 1983. USA:
Washington, District of Columbia.

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Java.

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beside school, Adjuntas, Puerto Rico.

Fusarium lateritium Nees:Fries
[Sordariomycetes: Hypocreales]
Nectriaceae

1331 [ARSEF 1416; NRRL 25128] S Balazy (1437). Adult,
[Hymenoptera: Ichneumonidae] in coniferous forest
undergrowth. 1 Sep 1981. Poland: Wielkopolski
National Park.

1416 [ARSEF 1331; NRRL 25129] S Balazy (1437). Adult,
[Hymenoptera: Ichneumonidae] in coniferous forest
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National Park.

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New Guinea: Lowlands Agricultural Experiment
Station, Keravat, East New Britain.

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Fusarium merismoides Corda
[Sordariomycetes: Hypocreales]
Nectriaceae

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dispar [Lepidoptera: Lymantriidae]. Rec'd Dec 1985.
USA: Dexter, Oregon.

Fusarium moniliforme Sheldon
[Sordariomycetes: Hypocreales]
Nectriaceae

2074 [NRRL 25028] H David. *Melanaspis glomerata*
[Hemiptera: Diaspididae]. Acc'd 10 Jan 1986. India:
Sugarcane Breeding Institute, Coimbatore, Tamil
Nadu.

Fusarium moniliforme* var. *intermedium Neish
& Leggett
[Sordariomycetes: Hypocreales]
Nectriaceae

3223 [IMI 330803; NRRL 25029] DW Roberts ← PR Sрни-
vas. *Nilaparvata lugens* [Hemiptera: Delphacidae].
Rec'd 22 Mar 1991. India.

Fusarium niveum(?) E.F. Sm.
[Sordariomycetes: Hypocreales]
Nectriaceae

10227 JG Banu (L.l.-1). Rec'd 30 Jul 2010.

Fusarium nygamai Burgess & Trimboli
[Sordariomycetes: Hypocreales]
Nectriaceae

2316 [NRRL 25030; PSU M-3959] VS Bhatnagar. *Raghuva*
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Senegal: Kaolack.

Fusarium oxysporum Schlechtendahl
[Sordariomycetes: Hypocreales]
Nectriaceae

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Experiment Station, Keravat, East New Britain.

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4964 [NRRL 52751] N Viaene (24). Egg mass, *Meloidogyne*
hapla [Tylenchida: Heteroderidae]. 16 Apr 1993.
USA: greenhouse nematode culture, New York.

10226 JG Banu (B.b.-1). Rec'd 30 Jul 2010.

Fusarium oxysporum(?) Schlechtendahl
[Sordariomycetes: Hypocreales]
Nectriaceae

6355 [CIAT 025; NRRL 52690] DC Peck. Adult, *Zulia*
colombiana [Hemiptera: Cercopidae]. 6 May 1999.
Colombia: La Palma Farm, Santander de Quilichao,
Cauca.

6622 [NRRL 52749] Acc'd 21 May 2003.

Fusarium polyphialidicum Marasas, Nelson, Tous-
soun & van Wyk
[Sordariomycetes: Hypocreales]
Nectriaceae

- 3692 [NRRL 25529] AE Hajek (114). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 7 Jun 1991. USA: nr. Freese Rd., Ithaca, New York.
- 3693 [NRRL 25530] AE Hajek (325). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: nr. Birchwood So., Ithaca, New York.
- 3694 [NRRL 25531] AE Hajek (E.M.F. #3) or (325) ← J Boettner. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Oct 1991. USA: ., Holyoke Range, Massachusetts.
- 3695 [NRRL 25532] AE Hajek (11). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 21 Jun 1991. USA: Weakley Hollow, Madison County, Virginia.
- 3696 [NRRL 25533] AE Hajek (26). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.
- 3916 [NRRL 52759] AE Hajek (92-165). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jul 1992. USA: State Game Land #203, Allegheny County, Pennsylvania.

Fusarium semitectum Berkeley ex Ravanel
[Sordariomycetes: Hypocreales]
Nectriaceae

- 2053 [NRRL 25202] MC Rombach (071185-3) ← SB Ahn (E1-7 & E1-5). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 1985. Republic of Korea. Appreciable source of beauvericin (Gupta, Krasnoff, Underwood, Renwick, and Roberts. 1991. Mycopathologia 115: 185-189. Isolation of beauvericin as an insect toxin from *Fusarium semitectum* and *Fusarium moniliforme* var. *subglutinans*).
- 2299 [NRRL 25134; PSU R-8540] M Holderness ← JE Moxon (CCR14-4). *Heteropsylla incisa* [Hemiptera: Psyllidae] on *Leucaena leucocephala*. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.
- 2300 [NRRL 25135; PSU R-8541] M Holderness ← JE Moxon (CCR15-6). *Heteropsylla incisa* [Hemiptera: Psyllidae] on *Leucaena leucocephala*. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium solani (Martius) Saccardo
[Sordariomycetes: Hypocreales]
Nectriaceae

- 1148 TJ Poprawski (83-06). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.

- 2312 [NRRL 25136; PSU S-1146] JE Moxon (15). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.
- 2313 [NRRL 25137; PSU S-1147] JE Moxon (16). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.
- 2314 [NRRL 25138; PSU S-1148] JE Moxon (17). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium subglutinans (Wollenweber & Reinking)
Nelson, Tousson & Marasas
[Sordariomycetes: Hypocreales]
Nectriaceae

- 2141 [NRRL 25031] H David (1). *Scirpophaga excerptalis* [Lepidoptera: Pyralidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu. Appreciable source of beauvericin (Gupta, Krasnoff, Underwood, Renwick, and Roberts. 1991. Mycopathologia 115: 185-189. Isolation of beauvericin as an insect toxin from *Fusarium semitectum* and *Fusarium moniliforme* var. *subglutinans*).
- 2142 [NRRL 25139] H David (3). *Chilo sacchariphagus indicus* [Lepidoptera: Pyralidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.
- 2143 [NRRL 25032] H David (8). *Pyrilla perpusilla* [Hemiptera: Lophopidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.
- 2144 [NRRL 25140] H David (9). *Pyrilla perpusilla* [Hemiptera: Lophopidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.
- 2145 [NRRL 25033] H David (10). *Pulvinaria elongata* [Hemiptera: Coccidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.
- 2301 [NRRL 25034; PSU M-3856] M Holderness ← JE Moxon (CCR16-6). *Heteropsylla incisa* [Hemiptera: Psyllidae]. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium torulosum (Berkeley & MA Curtis) Niren-
berg
[Sordariomycetes: Hypocreales]
Nectriaceae. Major synonym: *Fusarium sambucinum*
Fuckel

- 3483 [NRRL 25132, 52755] AE Hajek ← VC Mastro. 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 30 May 1991. USA: St. Paul's Church, Vesuvius, Virginia.

Gamsylella gephyropaga (Drechsler) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonym: *Monacrosporium gephyropagum* (Drechsler) Subramanian

4817 [CBS 308.94] A Rubner (AR 9225). From soil. 1989. Spain: Montana Ayara, Tenerife, Canary Islands.

Gamsylella lobata (Duddington) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonyms: *Dactylella lobata* Duddington; *Monacrosporium lobatum* (Duddington) A. Rubner

4811 [CBS 329.94] A Rubner (AR 9340). From rabbit dung. Oct 1993. Germany: Grunewald, Berlin.

Geniculifera paucispora (Rifai & Cooke) Rifai
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4941 BA Jaffee (AN144). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

***Geotrichum* sp.**
[Saccharomycetes: Saccaromycetales]
Dipodascaceae

2752 GW Riethmacher (A1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Mar 1989. Philippines: La Trinidad, Benguet. Arthroconidial hyphomycete.
11653 [ERL 618] S Gouli (CA-677) and V Gouli. Isolated from soil sample. 2002. USA: California.
11654 [ERL 619] S Gouli and V Gouli (CA-688). Isolated from soil sample. 2002. USA: California.

***Geotrichum* (?) sp.**
[Saccharomycetes: Saccharomycetales]
Dipodascaceae

5823 BL Parker (AT 79/2). *Adelges tsugae* [Hemiptera: Adelgidae]. 17 Aug 1997. USA: Forest Park, Massachusetts.

Gibellula clavulifera* var. *alba Rombach & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

1909 MC Rombach (9(int.myc.)). *Euophrys ?trivittata* [Araneida: Salticidae] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

Gibellula pulchra (Saccardo) Cavara
[Sordariomycetes: Hypocreales]
Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

1732 MC Rombach (Gib-Gam). [Araneida]. 13 Nov

1984. Sri Lanka: Hemeratgoda Botanical Garden, Gampaha.

***Gibellula* sp.**
[Sordariomycetes: Hypocreales]

Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

569 RS Soper (81223-1). [Araneida]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.

570 RS Soper (81228-1). [Araneida]. 28 Feb 1981. Indonesia: NW of Denpasar, Kabupaten Tabanan, Subak Kota Bongan, Bali.

1669 G Riba (C-37). [Araneida]. Acc'd 29 Oct 1984. France.

7387 M Liu (ml181). 16 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico.

7709 P Chaverri (PC 472). 5 Jan 2004.

8927 [ERL 1543d] VS Gouli (SD-1b). [Araneida]. 2006. USA: New York.

***Gliocladium* sp.**
[Sordariomycetes: Hypocreales]

5175 S Gouli (GP-18). Rec'd 14 May 1996. Location not specified.

6632 JL Hatting. [Lepidoptera: Sesiidae] on *Aspalathus contaminatus*, Rooibos tea. Rec'd 27 Sep 2000. South Africa: Western Cape, Cape Province.

8467 WC Luz (eco 25). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator.*

Gliocladium roseum (Link:Fries) Thom
[Sordariomycetes: Hypocreales]

3001 SV Krueger (MF-S). Soil. Feb 1990. USA: Geneva, New York.

***Gliocladium*(?) sp.**
[Sordariomycetes: Hypocreales]

6579 G Sewify (1). *Icerya purchasi* [Hemiptera: Margarididae]. May 2000. Egypt.

6583 G Sewify (5). *Icerya purchasi* [Hemiptera: Margarididae]. May 2000. Egypt.

6896 E Zhioua (Tick #2). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

Haptocillium balanoides (Drechsler) Zare & Gams
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Major synonym: *Verticillium balanoides* (Drechsler) Dowsett, Reid & Hopkin

2483 [ATCC 46576; DAOM 185098] UAMH (5256) ← JA Dowsett. Phylum Nemata, Class Secernentea. Acc'd 1 Dec 1987. Canada: Manitoba.

3173 P Timper. *Aphelenchoides* sp. [Aphelenchida: Aphelenchoididae]. Rec'd 5 Nov 1991. USA: potato field, Long Island, New York.

3350 P Timper ← BA Jaffee. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California.

5617 SL Glockling (K1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Haptocillium sinense (KG Zhang, L Cao & ZQ Liang)

Zare & Gams
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Major synonym: *Verticillium sinense* KG Zhang, L Cao & ZQ Liang

5618 [CBS 101431] SL Glockling (RT). Phylum Nemata from rotten tubers. 28 Jun 1995. Japan: Ibaraki, Ibaraki Prefecture.

Harpellales, genus undetermined

[Kickxellomycotina: Harpellales]

9064 RW Lichtwardt (ALG-13-W1). [Trichoptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9089 RW Lichtwardt (AS-42-1). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.

Harposporium anguillulae Lohde

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

4954 N Viaene (1). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Dutch Ridge Road, Oswego, New York.

5407 KT Hodge (1). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5408 KT Hodge (A). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5409 KT Hodge (B). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5593 SL Glockling (CGa). Phylum Nemata from grass cuttings. 10 Jan 1997. Japan: Ibaraki, Ibaraki Prefecture.

5594 SL Glockling (RSa). Phylum Nemata from rotten stems. 21 Jul 1995. Japan: Ibaraki, Ibaraki Prefecture.

5595 SL Glockling (MA). Phylum Nemata from mud under rotten *Allium*. 18 Jan 1996. Japan: Amami Islands.

5659 SL Glockling. Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Harposporium arcuatum GL Barron

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5596 SL Glockling (VEG). Phylum Nemata from decaying vegetation. 22 Nov 1996. Japan: Ibaraki, Ibaraki Prefecture.

5597 SL Glockling (PA). Phylum Nemata from decaying vegetation. 9 May 1996. Japan: Ibaraki, Ibaraki Prefecture.

5598 SL Glockling (Drain). Phylum Nemata from drain. 20 Jun 1996. Japan: Ibaraki, Ibaraki Prefecture.

Harposporium botuliforme GL Barron

[Sordariomycetes: Hypocreales]

10275 CG Wilson (mg40). *Adineta vaga* [Bdelloida: Adinetidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Harposporium bysmatosporum Drechsler

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5656 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

Harposporium cerberi W Gams, KT Hodge & Viaene

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5123 [ATCC 201113; CBS 600.92] H Velvis (EP 26). Phylum Nemata, Class Secernentea. 1992. Netherlands: soil under grassland, Finsterwolde. Culture ex type. Holotype specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 63892.

Harposporium coeleatum Drechsler

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

9382 CG Wilson (io4). 12 May 2009. USA: Cornell Lab of Ornithology, Ithaca, New York.

Harposporium cycloides Drechsler

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5599 SL Glockling (N3). Phylum Nemata from soil and dung. 12 May 1995. Japan: Ibaraki, Ibaraki Prefecture.

5600 SL Glockling (K2a). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Harposporium dicorymbum Drechsler

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5658 SL Glockling. Phylum Nemata from grass cuttings. 10 Jan 1997. Japan.

Harposporium helicoides Drechsler

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5354 [ATCC 18766; CBS 944.70] GL Barron (No. 10773). Phylum Nemata. Rec'd 24 Oct 1996. Canada.

Harposporium janus Shimazu & Glockling
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5601 SL Glockling. Larva, [Coleoptera: Cerambycidae] on tree trunk. Rec'd 2 Dec 1997. Japan.

Harposporium leptospira Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5602 SL Glockling (AL). Phylum Nemata from *Allium* leaves. 16 Oct 1995. Japan: Ibaraki, Ibaraki Prefecture.

5603 SL Glockling (A2). Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Harposporium lilliputanum S.M. Dixon
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5604 SL Glockling (DC). Phylum Nemata from decayed chestnuts. 8 Jun 1995. Japan: Ibaraki, Ibaraki Prefecture.

8425 ME Smith (Harpo3). Phylum Nemata collected from soil. 22 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium microsporium Glockling
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

8424 ME Smith (Harpo1). Phylum Nemata collected from soil. 25 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium oxycoracum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

8426 ME Smith (Harpo4). Phylum Nemata collected from soil. 22 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

***Harposporium* sp.**
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5410 KT Hodge ← GJ Samuels (GJS 96-242). Host unknown on log. 6 May 1996. Costa Rica: Los Alturas Biological Station, Parque Internacional La Armistad. Anamorph of *Cordyceps* sp. Produces arthrosporic and *Hirsutella* synanamorphs. Capable of parasitizing *Rhabditis* sp. [Nemata] in vitro. Specimen accessioned as BPI 749196 (S.M. Huhndorf 2243A).

Harposporium spirosporium GL Barron
[Sordariomycetes: Hypocreales]

8821 CG Wilson (db2). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. 16 Jun 2008. USA: Cornell University, Plant Science greenhouse, Ithaca, New York.

10271 CG Wilson (mg38). *Habrotricha elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Harposporium subuliforme Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5605 SL Glockling (E). Phylum Nemata from soil. 25 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

5657 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

***Hirsutella* sp.**

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Strains listed here have not been satisfactorily identified to species largely due to the lack of adequate taxonomic information for the majority of species in this large and important genus. *Hirsutella* is a known or possible synanamorph for many other hyphomycete entomopathogens with teleomorphs classified in the Clavicipitaceae (Pyrenomycetes: Clavicipitaceae).

568 RS Soper (81225-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 25 Feb 1981. Indonesia: Salek I Village, Muba District, Sumatera Selatan, Sumatra.

970 [GCRI 45-81] RA Hall. *Abacarus hystrix* [Acari: Eriophyidae]. Acc'd 17 Oct 1983. United Kingdom: England.

1096 [ARSEF ?1256; IRR1 4A] RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 17 Oct 1983. Philippines: IRR1, Los Baños, Manila.

1551 MC Rombach (H.sep.) ← AT Barrion. *Sepedon spegeus* [Diptera: Sciomyzidae] on rice. 21 Jun 1984. Philippines: Brooke's Point region, Palawan.

1625 SG Wraight and SP Wraight. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1668 MS McClure. *Nuculaspis tsugae* [Hemiptera: Diaspididae] on *Tsuga sieboldii*. 17 May 1984. Japan: 1200 m, Mt. Odai-ga-hara, Nara Prefecture.

2208 MC Rombach (030786-2) ← AT Barrion. *Cyrtorhinus lividipennis* [Hemiptera: Miridae] on rice leaf. 1 Jul 1986. Philippines: nr. Bo. Looc, Villanueva, Misamis Oriental.

2209 MC Rombach (070786-5). *Cyrtorhinus lividipennis* [Hemiptera: Miridae] on rice leaf. 7 Jul 1986. Philippines: nr. Bo. Looc, Villanueva, Misamis Oriental.

2581 DD Strongman (1). [Lepidoptera]. Acc'd 9 Aug 1988. Canada.

2644 [CNPAF 88-07-16-4; CP 256] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2645 [CNPAF 88-07-16-5; CP 257] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

- 2646 [CNPAF 88-07-16-6; CP 258] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2647 [CNPAF 88-07-16-7; CP 259] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2648 [CNPAF 88-07-16-9; CP 260] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2649 [ARSEF 2992; CNPAF 88-07-16-10; CP 261] DW Roberts ← EC de Moura (H-10), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2650 [ARSEF 2993; CNPAF 88-07-16-11; CP 262] DW Roberts ← EC de Moura (H-11), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2651 [CNPAF 88-07-16-12; CP 263] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2652 [CNPAF 88-07-16-13; CP 264] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2653 [CNPAF 88-07-16-14; CP 265] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2654 [CNPAF 88-07-16-15; CP 266] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2655 [CNPAF 88-07-16-16; CP 267] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2656 [CNPAF 88-07-16-17; CP 268] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2657 [CNPAF 88-07-16-18; CP 269] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2795 BA Jaffee (Hr79a). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2796 BA Jaffee (Hr79b). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2797 BA Jaffee (Hr79c). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2798 BA Jaffee (Hr79d). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2799 [IMI 307969] BA Jaffee (Hr58). [Collembola]. 10 Jun 1986. USA: Livingston, California.
- 2801 BA Jaffee (Hr63). [Acari]. 24 Sep 1986. USA: Livingston, California.
- 2802 BA Jaffee (Hr65). [Acari]. 8 Nov 1986. USA: Livingston, California.
- 2803 BA Jaffee (H69). [Acari]. 22 Apr 1988. USA: Livingston, California.
- 2939 M Skinner (Ch, BG and 60(5WM)) ← JF Yuill. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Sep 1989. USA: Buel's Grove, Chittenden County, Vermont.
- 2940 M Skinner (Ch, BG and 61(8WM)) ← JF Yuill. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Sep 1989. USA: Buel's Grove, Chittenden County, Vermont.
- 2992 [ARSEF 2649; CNPAF 88-07-16-10; CP 261] L Allee ← EC de Moura (H-10), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 3266 M Brownbridge (P). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Hamden, Connecticut.
- 3318 M Brownbridge (Perry 1). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3546 M Brownbridge (R-4). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Laggis' sugar maple stand, Caledonia County, Vermont.
- 3548 M Brownbridge (R-9). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3553 M Brownbridge (R-15). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Rowe's sugar maple stand, Caledonia County, Vermont.
- 4193 LA Lacey (94023). *Thrips palmi* [Thysanoptera: Thripidae]. Rec'd 12 May 1994. Trinidad and Tobago.
- 4511 [IIBC IMI337439] HC Evans (IMI337439) ← C Prior. [Hemiptera]. 1990. Trinidad.
- 4513 [IIBC I88-370] HC Evans (I88-370). *Liothrips mikaniae* [Thysanoptera: Phlaeothripidae] Mikania micrantha. Feb 1988. Trinidad.
- 4514 [IIBC I88-399] HC Evans (I88-399). *Liothrips mikaniae* [Thysanoptera: Phlaeothripidae] Mikania micrantha. Jul 1988. Trinidad.
- 4515 [IIBC I88-375] HC Evans (I88-375). *Lydda* sp. [Hemiptera: Derbidae] Coconut. Feb 1988. Tanzania.
- 4776 [DAT 503] AC Rath (F503) ← U Gerson (CAB252317). Host not specified. 7 Jun 1993. Israel.
- 7346 M Liu. 11 Aug 2003. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67386.

- 7578 RM Pereira (SiCMAVE 4-Cell). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. 25 Nov 2003. USA: USDA ARS CMAVE, Gainesville, Florida.
- 8378 AV Toledo. Adult, *Oliarus dimidiatus* [Hemiptera: Cixiidae] on *Amaranthus quitensis* Kunth bordering rice field. 14 Feb 2007. Argentina: Los Hornos, Buenos Aires.
- 8722 Acc'd May 2008.
- 8999 M Pava-Ripoll (HMG). *Abacarus hystrix* [Acari: Eriophyidae]. 3 Apr 2009. USA: University of Maryland Plant Research Farm USGS, Beltsville, Maryland.
- 9605 H Cortez Madrigal. *Diaphorina citri* [Hemiptera: Psyllidae]. Rec'd 5 Mar 2010. Mexico: Mérida, Yucatán.
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- 11755 A Guzman-Franco (15(3)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 27 Oct 2011. Mexico: Champotón, Campeche.
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- 11757 A Guzman-Franco (15(6)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 27 Oct 2011. Mexico: Champotón, Campeche.
- 11758 A Guzman-Franco (31(8)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 25 Oct 2011. Mexico: Dzan, Yucatán.
- 11759 A Guzman-Franco (27(6)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 25 Oct 2011. Mexico: Dzan, Yucatán.
- 11760 A Guzman-Franco (y(1)) ← H Cortez Madrigal. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 11 Jun 2011. Mexico: Dzan, Yucatán.
- 11761 A Guzman-Franco (p(9)) ← H Cortez Madrigal. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 14 Jun 2011. Mexico: Othón P. Blanco, Quintana Roo.
- Hirsutella bogoriensis*** (nom. prov.)
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Provisional name for unpublished new species.
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- Hirsutella brownorum*** Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 3509 P Timper. [Acari] in soil. Rec'd 13 Dec 1991. USA: nr. Portageville, Wyoming County, New York.
- Hirsutella citriformis*** Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 1036 CBS (912.70) ← E Müller-Kögler ← SL Valencia. *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Nov 1970. Philippines: IRRI, Los Baños, Manila.
- 1062 [IRRI 10B] RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Oct 1983. Philippines: IRRI, Los Baños, Manila.
- 1063 [IRRI 10A] RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Oct 1983. Philippines: IRRI, Los Baños, Manila.
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- 1244 [IRRI 1B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
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- 1246 [IRRI 2D] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1249 [IRRI 2J] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
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- 1252 [IRRI 3F] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1253 [IRRI 3G] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1254 [IRRI 4B(a)] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1255 [IRRI 4B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
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- 1436 MC Rombach (10B). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 1984. Philippines: IRRI field, Los Baños, Manila.
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- 1917 DG Holdom (10). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.
- 1918 DG Holdom (11). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.
- 1919 DG Holdom (12). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.
- 2099 DG Holdom (280186-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2100 DG Holdom (280186-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2101 DG Holdom (280186-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2102 DG Holdom (280186-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2103 DG Holdom (280186-5). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2346 [ARSEF 2388 (never frozen)] MC Rombach (111286-4). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 11 Dec 1986. Indonesia: nr. Klaten, Jawa Tengah, Java.
- 2347 [ARSEF 2389 (never frozen)] MC Rombach (181286-1B). *Heteropsylla cubana* [Hemiptera: Psyllidae]. 18 Dec 1986. Philippines: Leyte.
- 2420 DG Holdom (050187-1) ← D Djuriadi. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.
- 2422 DG Holdom (310187-4) ← D Djuriadi. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 31 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.
- 2423 DG Holdom (310187-5) ← D Djuriadi. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 31 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.
- 2426 DG Holdom (080287-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2428 DG Holdom (170287-1). Nymph, [Hemiptera: Delphacidae]. 17 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
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- 8315 JM Meyer. Adult, *Diaphorina citri* [Hemiptera: Psyllidae] on orange and grapefruit trees. Oct 2005. USA: Polk County, Florida.
- 8677 AV Toledo (HC063). Adult, *Heteroecaecilius* sp. [Psocoptera: Pseudocaeciliidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS: contact Curator.**
- 8678 AV Toledo (HC064). Adult, *Heteroecaecilius* sp. [Psocoptera: Pseudocaeciliidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS: contact Curator.**

- 8679 AV Toledo (HC065). Nymph, *Ectopsocus* sp. [Psocoptera: Ectopsocidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** contact Curator.
- 9180 DG Boucias. Adult, *Diaphorina citri* [Hemiptera: Psyllidae]. Jul 2008. USA: Immokalee, Florida.
- 11665 DG Boucias (UF1HcDc03). *Diaphorina citri* [Hemiptera: Psyllidae]. 2007. USA: Collier County, Florida.

Hirsutella cryptosclerotium Fernández-García, HC
Evans & Samson
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 4517 [IIBC I91-602] HC Evans (I91-602). *Rastrococcus invadens* [Hemiptera: Pseudococcidae]. Mar 1991. Togo.

Hirsutella fusiformis Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 5474 [ATCC 32804; CBS 205.33] *Brachyderes incanus* [Coleoptera: Curculionidae]. Rec'd 13 May 1997. Netherlands.

Hirsutella gigantea Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 30 RS Soper ← DE Leonard. [Hymenoptera: Pamphiliidae]. 24 Jun 1974. USA: Vanceboro, Maine.

Hirsutella guyana Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 878 [CNPAF 83-04-13-2L; CP 108] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
- 879 [CNPAF 83-04-13-2P; CP 109] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
- 881 [CNPAF 83-04-13-2M; CP 111] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
- 882 [CNPAF 83-04-13-Q; CP 112] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
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- 2352 [ARSEF 2387] MC Rombach (201286-2). [Hemiptera: Cicadellidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2387 [ARSEF 2352] MC Rombach (201286-2). [Hemiptera: Cicadellidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2993 [ARSEF 2650; CNPAF 88-07-16-11; CP 262] L Allee ← EC de Moura (H-11), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

Hirsutella haptospora Balazy & Wisniewski
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 2226 S Balazy (1765). [Acari: Uropodina] in an ant hill. Acc'd 4 Sep 1986. Poland: Jarocin, Kalisz.

Hirsutella homalodiscae
[Sordariomycetes: Hypocreales]

- 10228 DG Boucias. Rec'd 21 Sep 2010.
10229 DG Boucias. Rec'd 21 Sep 2010.

***Hirsutella homalodiscae*(?)**
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 10133 [ERL 1793] S Gouli (Thr.-10-32) and V Gouli. Isolated from small invertebrate collected from soil. 2010. USA: Orford, New Hampshire.
- 10134 [ERL 1794] S Gouli and V Gouli (Thr.-10-33). Isolated from small invertebrate collected from soil. 2010. USA: Westfield, Vermont.

Hirsutella illustris Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 5539 I Rong (PPRI 6407). *Eriosoma lanigerum* [Hemiptera: Aphididae] associated with the roots of apple trees. 22 Jul 1997. South Africa: Maltino, Western Cape Province.

Hirsutella kirchneri (Rostrup) Minter, Brady & Hall
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 5550 [IMI 257456] [Acari] on *Lolium perenne* ex IMI 252317. 1981. United Kingdom.
- 5551 [IMI 251526] *Abacarus hystrix* [Acari: Eriophyidae] on *Lolium perenne*. 1981. United Kingdom.

Hirsutella lecaniicola (Jaap) Petch
[Sordariomycetes: Hypocreales]

- 8888 [ERL 1537] S Gouli (LS-07a) and M Skinner. *Parthenolecanium corni* [Hemiptera: Coccidae]. 2007. USA: Vermont.

Hirsutella liboensis X Zou, AY Liu & ZQ Liang
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

9603 X Zou (10). [Lepidoptera: Cossidae]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

Hirsutella longicolla var. *cornuta* Strongman,
Eveleigh & Royama
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

177 [FPMI 755] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 10 May 1977. USA: Lincoln, Maine.

178 [FPMI 756] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. May 1977. USA: Greenville, Maine.

Hirsutella minnesotensis Sen Y Chen, Zing Z Liu & FJ Chen
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

7288 X Liu (J2-54-1). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**

7289 X Liu (J1-55-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**

7290 X Liu (J1-55-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**

7291 X Liu (J2-55-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**

7294 X Liu (J1-82-5). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**

Hirsutella myrmicarum Groden & DR Simmons
[Sordariomycetes: Hypocreales]

11864 E Groden (HIRS45) and DR Simmons. *Myrmica rubra* [Hymenoptera: Formicidae]. 10 Aug 2010. USA: Acadia National Park, Mount Desert Island, Maine. Sequence data: GenBank.

Hirsutella necatrix Minter, Brady & Hall
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5549 [IMI 252317] [Acari] on *Lolium perenne*. 1981. United Kingdom.

Hirsutella nodulosa Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5473 EA Eliason (P10E). Larva, *Dioryctria zimmermani* [Lepidoptera: Pyralidae]. Rec'd 28 Aug 1995. USA: Kalamazoo, Michigan.

Hirsutella nr. *haptospora*
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

1362 S Balazy (1613b). Rec'd 19 May 1984. Poland.

1363 S Balazy (1613c). Rec'd 19 May 1984. Poland.

1364 S Balazy (1613d). Rec'd 19 May 1984. Poland.

2228 S Balazy (1770). [Diptera: Itonididae] under pine bark. Acc'd 4 Sep 1986. Poland: District Forest, Sierakow, Pniewy.

Hirsutella radiata Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

1369 S Balazy (1441). [Diptera: ?Lauaxaniidae] on stem of *Urtica Dioica* in a deciduous forest. 1 Sep 1981. Poland: Wielkopolski National Park.

Hirsutella repens (nom. prov.)
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Provisional name for unpublished new species.

2348 [ARSEF 2359, 2394] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1986. Republic of Korea.

2359 [ARSEF 2348, 2394] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1986. Republic of Korea.

2394 [ARSEF 2348, 2359] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1986. Republic of Korea.

Hirsutella rhossiliensis Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Hirsutella heteroderae* Sturhan & Schneider

2006 [UAMH 5977] BA Jaffee (Hr31). *Criconemella xenoplax* [Tylenchida: Criconematidae]. 25 Oct 1983. USA: Erie County, Pennsylvania.

2007 BA Jaffee (Hr42). *Criconemella curvata* [Tylenchida: Criconematidae]. 11 Mar 1984. USA: Adams County, Pennsylvania.

2008 BA Jaffee (Hr43). *Criconemella xenoplax* [Tylenchida: Criconematidae]. 12 Apr 1984. USA: Adams County, Pennsylvania.

2788 BA Jaffee (Hr72). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 12 Jun 1989. USA: San Joaquin County, California.

- 2789 BA Jaffee (Hr73). Male, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 12 Jun 1989. USA: San Joaquin County, California.
- 2790 [CBS 567.92] BA Jaffee (Hr74). Male, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
- 2791 BA Jaffee (Hr75). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
- 2792 BA Jaffee (Hr76). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
- 2793 BA Jaffee (Hr77). Phylum Nemata, Class Secernentea. 19 Jun 1989. USA: Solano County, California.
- 2794 BA Jaffee (Hr78). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
- 2894 CBS (216.78) ← R Schneider. *Heterodera humuli* [Tylenchida: Heteroderidae]. Acc'd 21 Nov 1989. Germany. CULTURE EX TYPE of *Hirsutella heteroderae*.
- 2931 BA Jaffee (Hr80). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field; grower = Watanabi, San Joaquin County, California.
- 2932 BA Jaffee (Hr81). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field; grower = Norman, San Joaquin County, California.
- 2933 BA Jaffee (Hr82). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field # 5, Solano County, California.
- 3207 P Timper (C3). Phylum Nemata, Class Secernentea. 20 Oct 1991. USA: Wyoming County, New York.
- 3744 BA Jaffee (Hr 31). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Oct 1983. USA: Pennsylvania.
- 3745 BA Jaffee (Hr 41). *Hoplolaimus galeatus*. Mar 1992. USA: Pennsylvania.
- 3746 BA Jaffee (Hr 43). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Apr 1992. USA: Pennsylvania.
- 3747 E Tedford (Hr 53). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Rec'd Winter 1993. USA: Merced County, California.
- 3748 BA Jaffee (Hr 54). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Mar 1986. USA: San Joaquin County, California.
- 3750 BA Jaffee (Hr 61). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Jun 1986. USA: Merced County, California.
- 3751 BA Jaffee (Hr63). Phylum Arthropoda, Class Insecta. Sep 1986. USA: Merced County, California.
- 3752 BA Jaffee (Hr 65). Phylum Arthropoda, Class Insecta. Nov 1986. USA: Merced County, California.
- 3753 BA Jaffee (Hr 67). Sep 1987. USA: Merced County, California.
- 3754 BA Jaffee (Hr 68). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Oct 1987. USA: Merced County, California.
- 3755 BA Jaffee (Hr 85). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.
- 3756 BA Jaffee (Hr 88) or (Hr 88). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.
- 3757 BA Jaffee (Hr 90). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.
- 3758 BA Jaffee (Hr 92). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.
- 3759 BA Jaffee (Hr 95). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.
- 3760 BA Jaffee (Hr 97). Feb 1991. Sweden.
- 3761 BA Jaffee (Hr 113). *Heterodera schachtii* [Tylenchida: Heteroderidae]. Nov 1991. USA: Yolo County, California.
- 3765 BA Jaffee (Hr99) ← P Timper. Feb 1991. USA: Wyoming County, New York.
- 3879 E Tedford (Hr56). Rec'd Winter 1993. Australia.
- 4942 BA Jaffee (HR156). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1995. Laboratory manipulation.
- 7286 X Liu (J2-1-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Shanxi Province. **RESTRICTED ACCESS: consult Curator.**
- 7287 X Liu (J1-2-1). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Shanxi Province. **RESTRICTED ACCESS: consult Curator.**
- 7292 X Liu (J2-82-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**
- 7293 X Liu (J1-82-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**
- 7295 X Liu (J1-82-7). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**
- 11820 [ERL 2034] S Gouli (THR-11-23) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Langdon, New Hampshire.

Hirsutella satumaensis Aoki
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 996 J Aoki (Hir. 1) ← K Katagiri ← T Kushida. *Dioryctria sylvestrella* [Lepidoptera: Pyralidae]. May 1969. Japan: Hachioji, Tokyo Prefecture.

Hirsutella sinensis X Liu, YL Guo, YX Yu & W Zeng
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Possible anamorphic state of *Ophiocordyceps sinensis* (Berkeley) GH Sung, JM Sung, Hywel-Jones & Spatafora [= *Cordyceps sinensis* (Berkeley) Saccardo]

6282 [RCEF 0273] Larva, [Lepidoptera: Hepialidae]. Rec'd 24 Aug 1999. PR China: Qinghan.

Hirsutella strigosa Petch

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

2044 [UAMH 5978] MC Rombach (071185-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Nov 1985. Philippines: greenhouse colony, IRRI, Los Baños, Manila.

2197 MC Rombach (090686-1). *Nephotettix virescens* [Hemiptera: Cicadellidae]. 9 Jun 1986. Philippines: IRRI field, Los Baños, Manila.

Hirsutella subulata Petch

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

2227 S Balazy (1809) ← RT Mietkiewski. [Lepidoptera: Microlepidoptea]. Acc'd 4 Sep 1986. Poland: Siedlce.

Hirsutella thompsonii Fisher

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. The separation of *H. thompsonii* into two varieties based on whether synnemata may or may not form in culture is unreliable and probably artificial. Some strains included may form synnemata but do not do so consistently; these strains could be recognized as *Hirsutella thompsonii* var. *synnematos* Samson, McCoy & O'Donnell if accepting this variety as a legitimate taxon.

137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptura oleivora* [Acari: Eriophyidae]. 1970. USA: Orlando, Florida.

241 [CBS 556.77B] CW McCoy. *Phyllocoptura oleivora* [Acari: Eriophyidae] on citrus. 1972. USA: Lake Alfred, Florida.

253 [CBS 556.77C] CW McCoy. *Phyllocoptura oleivora* [Acari: Eriophyidae] on citrus. 1975. USA: Lake Alfred, Florida.

255 [ARSEF 2459; ATCC 3010; CBS 556.77A] CW McCoy ← CM Searle. *Eriophyes sheldoni* [Acari: Eriophyidae] on citrus. 1970. Zimbabwe: Mazoe.

256 [CBS 450.78] CW McCoy ← RA Hall. *Eriophyes guerreronis* [Acari: Eriophyidae] on coconut. 1978. Jamaica.

257 [CBS 451.78] CW McCoy ← RA Hall. *Eriophyes guerreronis* [Acari: Eriophyidae] on coconut. Mar 1978. Ivory Coast.

258 [ARSEF 414; CBS 452.78] CW McCoy ← RA Hall. *Colomerus novaehbridensis* [Acari: Eriophyidae] on coconut. May 1978. Papua New Guinea: New Britain.

259 [CBS 556.77D] CW McCoy ← B Villalon. *Phyllocoptura oleivora* [Acari: Eriophyidae] on citrus. 1972. USA: Weslaco, Texas.

414 [ARSEF 258; CBS 452.78] RA Hall. *Colomerus novaehbridensis* [Acari: Eriophyidae] on coconuts. May 1978. Papua New Guinea: New Britain.

1947 MC Rombach. [Acari: Tarsonemidae] on beans. Jul 1985. Philippines: Palawan. This strain may produce synnemata in vitro.

2012 [ARSEF 2464] CIRPON ← DR Sosa-Gómez. *Phyllocoptura oleivora* [Acari: Eriophyidae]. 1984. Argentina: Tucumán.

2459 [ARSEF 255] TJ Poprawski (8703) ← AJ Nasca (Ht-R). *Eriophyes sheldoni* [Acari: Eriophyidae]. Acc'd 23 Oct 1987. Zimbabwe. This strain may produce synnemata in vitro.

2464 [ARSEF 2012] TJ Poprawski (8704) ← AJ Nasca (Ht-T1). *Phyllocoptura oleivora* [Acari: Eriophyidae]. 1983. Argentina: Tucumán.

2800 BA Jaffee (H59). [Acari]. 10 Jun 1986. USA: Livingston, California.

3323 R Ochoa and TG Zoebisch ← A Gamboa. *Dolichotetranychus floridanus* [Acari: Tenuipalpidae] on pineapple (*Ananas cosmosus* (L.) Mell.). Rec'd 30 Apr 1991. Costa Rica: PINDECO (Del Monte pineapple industry), Buenos Aires, Puntarenas.

3482 TG Zoebisch. Rec'd 28 Oct 1991. Location not specified.

6633 SB Alves (ESALQ 1221). *Calacarus heveae* [Acari: Eriophyidae]. 17 Aug 1998. Brazil: Piracicaba, São Paulo.

9457 [SRCAMB B-223] V Likhovidov ← BA Borisov. *Tetranychus* sp. [Acari: Tetranychidae]. 1995. Ukraine: environs of Kherson, Kherson Oblast. Field Collection Number F-920.

11819 [ERL 2033] S Gouli and V Gouli (THR-11-22). [Coleoptera: Carabidae]. 2011. USA: Underhill, Vermont.

Hirsutella thompsonii var. *synnematos* Samson,

McCoy & O'Donnell

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5412 SK Dara. *Mononychellus tanajoa* [Acari: Tetranychidae]. Rec'd 11 Dec 1996. Benin: Adjohoun.

Hirsutella thompsonii var. *vinacea* Samson, McCoy

& O'Donnell

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

254 [CBS 555.77] CW McCoy ← JR Baker. *Acalitus vaccinii* [Acari: Eriophyidae] on blueberry. 1967. USA: Raleigh, North Carolina. CULTURE EX TYPE.

Hirsutella versicolor Petch

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 1034 [ARSEF 1557 (deaccessioned)] CBS (422.82) ← HC Evans. [Hemiptera: Membracidae] on forest herb. Jul 1982. Brazil: Jari-Monte Dourado, Pará.
- 1037 CBS (423.82) ← HC Evans. [Hemiptera: Membracidae] on cacao leaf together with *Torrubiella pruinosa*. Jul 1982. Brazil: Ouro Preto do Oeste, Rondônia.
- 4512 [IIBC I86-280] HC Evans (I86-280). *Idiocerus nitidulus* [Hemiptera: Cicadellidae]. 1990. Malaysia.

Hirsutella verticillioides Charles

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 2599 MC Rombach (190688-1) ← AT Barrion. *Idioscopus clypealis* [Hemiptera: Cicadellidae] on Indian mango, *Mangifera indica* L. Acc'd 12 Sep 1988. Philippines: Umali Subdivision, Los Baños, Manila.

***Humicola* sp.**

[Hyphomycetes]

- 2069 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Hymenostilbe sphecophila (Ditmar) Petch

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 6292 [RCEF 0269] [Hymenoptera]. 11 Sep 1996. PR China: Anhui.

Hymenostilbe verrucosa Mains

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 2002 M Shimazu. [Araneida]. 16 Jul 1985. USA: Allegany State Park, Salamanca, New York.

***Hyperdermium* sp.**

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7655 P Chaverri (PC 611). 2004. Bolivia: Madidi National Park, Departamento La Paz.

Hyphochytrium catenoides Karling

[Hyphochytriomycetes: Hyphochytriales]

Hyphochytriaceae

- 6259 MJ Powell. Rec'd 8 Sep 1999.

Hypocrea rufa (Persoon) Fries

[Sordariomycetes: Hypocreales]

Hypocreaceae

- 7710 P Chaverri (PC 497). 7 Jan 2004.

***Hypocrella* sp.**

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7664 P Chaverri ← HC Evans (I93-902). 1993. Ivory Coast.
- 7705 P Chaverri (PC 415). 8 Dec 2003. Honduras: trail to the top of the mountain, Reserva Biologica Monte Uyuca, Dpto. Francisco Morazán.

Hypocreella africana Hywel-Jones & Samuels

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7696 P Chaverri ← GJ Samuels (Afr 33). Rec'd 14 Sep 2004. Ghana.

Hypocreella amazonica Hennings

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7667 P Chaverri ← HC Evans (I94-920). 1994. Guatemala.
- 7669 P Chaverri ← HC Evans (I94-922c). 1994. Belize.
- 7680 [IMI 362301] P Chaverri ← HC Evans (I93-805). 1993. Guyana.

Hypocreella andropogonis (Hennings) Petch

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7396 M Liu (ml201-2W). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico.
- 7397 M Liu (ml201-2G). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Cultured from asci. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4438.

Hypocreella discoidea (Berkeley & Broome) Saccardo

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7663 P Chaverri ← HC Evans (I93-901d). 1993. Ivory Coast.
- 7668 P Chaverri ← HC Evans (I95-901d). 1995.
- 7681 [BCC 2097] P Chaverri. [Hemiptera: Coccoidea]. Rec'd Mar 2005. Thailand: Northeastern Thailand.

Hypocreella javanica (Penzig & Saccardo) Petch

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7605 [BCC 2339] [Hemiptera: Coccoidea] underside of dicot leaf. Rec'd 20 Sep 2004. Thailand: Northern Thailand.

Hypocreella macrostroma Chaverri & KT Hodge

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7748 P Chaverri ← JF Bischoff (JB 115). 2002. Costa Rica: Sarapiquí, Heredia.

<i>Hypocrella panamensis</i> Torres, White & Bischoff [Sordariomycetes: Hypocreales] Clavicipitaceae	10238 2010. 10239 2010. 10240 2010.
8361 MS Torres ← JF Bischoff and JF White Jr. [Hemiptera: Coccoidea] on <i>Piper carrilloanum</i> C. DC. Aug 2003. Panama: Lutz Creek, Barro Colorado Island. CULTURE EX TYPE.	10241 2010. 10242 2010. 10243 2010. 10244 2010.
<i>Hypocrella phyllogena</i> (Montagne) Spegazzini [Sordariomycetes: Hypocreales] Clavicipitaceae	10245 2010. 10246 2010. 10247 2010.
7401 M Liu (ml202-3). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico. Cultured from asci.	10248 2010. 10249 2010.
7752 Rec'd 14 Sep 2004.	10250 2010.
<i>Hypocrella raciborskii</i> Zimmermann [Sordariomycetes: Hypocreales] Clavicipitaceae	10251 2010. 10252 2010. 10253 2010.
7606 [BCC 1487] [Hemiptera: Coccoidea]. Rec'd 20 Sep 2004. Thailand: Northeastern Thailand.	10254 2010. 10255 2010. 10256 2010. 10257 2010. 10259 2010.
<i>Isaria</i> sp. [Sordariomycetes: Hypocreales] Cordycipitaceae	
9508 [SRCAMB B-183] V Likhovidov ← BA Borisov. [Diptera: Tipulidae]. 1999. Ukraine: Kherson Oblast. Field Collection Number F-1063.	10363 [ERL 390] BL Parker and M Skinner (SP-473). <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
9517 [SRCAMB B-298] V Likhovidov ← BA Borisov. [Hemiptera: Psyllidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-331.	10364 [ERL 391] BL Parker (SP-475) and M Skinner. <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
9518 [SRCAMB B-293/2] V Likhovidov ← BA Borisov. Isolated from stroma of <i>Cordyceps</i> sp8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-600.	10365 [ERL 392] BL Parker and M Skinner (SP-484). <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
9519 [SRCAMB VL-1914/1] V Likhovidov. Larva, [Coleoptera]. 22 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-853.	10366 [ERL 393] BL Parker (SP-486) and M Skinner. <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
10162 [ERL 1822] S Gouli (Thr.-10-24) and V Gouli. <i>Taeniothrips inconsequens</i> [Thysanoptera: Thripidae]. 2010. USA: Sharon Springs, New York.	10367 [ERL 394] BL Parker and M Skinner (SP-487). <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
10231 [ERL 1897] S Gouli (Thr.-10-105) and V Gouli. <i>Taeniothrips inconsequens</i> [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.	10368 [ERL 395] BL Parker (SP-509) and M Skinner. <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
10232 [ERL 1898] S Gouli (Thr.-10-106) and D Tobi. <i>Taeniothrips inconsequens</i> [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.	10369 [ERL 396] BL Parker and M Skinner (SP-514). <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
10233 [ERL 1899] S Gouli (Thr.-10-107) and V Gouli. <i>Taeniothrips inconsequens</i> [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.	10370 [ERL 397] BL Parker (SP-515) and M Skinner. <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
10234 2010.	10371 [ERL 398] BL Parker (SP-516) and M Skinner. <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
10235 2010.	10372 [ERL 399] BL Parker and M Skinner (SP-517). <i>Eurygaster</i> sp. [Hemiptera: Scutelleridae]. 2002. Iran.
10236 2010.	
10237 2010.	

- 10373 [ERL 400] BL Parker (SP-518) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10374 [ERL 401] BL Parker and M Skinner (SP-520). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10375 [ERL 402] BL Parker (SP-569) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10376 [ERL 403] BL Parker and M Skinner (SP-570). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10377 [ERL 404] BL Parker (SP-587) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10378 [ERL 527] BL Parker (SP-456) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2000. Republic of Kazakhstan.
- 10379 [ERL 540] BL Parker (SP-501) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10380 [ERL 548] BL Parker and M Skinner (SP-523b). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10381 [ERL 549] BL Parker (SP-531) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10382 [ERL 554] BL Parker and M Skinner (SP-555). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10383 [ERL 556] BL Parker (SP-564) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10384 [ERL 561] BL Parker and M Skinner (SP-572). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10385 [ERL 571] BL Parker (SP-588) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11628 [ERL 606] S Gouli and V Gouli (CA-701). Isolated from soil sample. 2002. USA: California.
- 11629 [ERL 48] M Brownbridge (L3741). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 1992. USA: Vermont.
- 11630 [ERL 143] S Gouli (HWA2) and W Reid. *Adelges tsugae* [Hemiptera: Adelgidae]. 1997. USA: Massachusetts.
- 11631 [ERL 546] BL Parker (SP-522) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11632 [ERL 555] BL Parker (SP-560) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11633 [ERL 559] BL Parker (SP-568) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11634 [ERL 560] BL Parker (SP-571) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11635 [ERL 564] BL Parker (SP-583) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11636 [ERL 565] BL Parker (SP-584) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11753 [ERL 2008] Phylum Arthropoda, Class Arachnida. 2012. USA: Richford, Vermont.
- 12190 DW Roberts (DWR 2411). Isolated from soil sample SS 25347. 13 Sep 2010. USA: Custer County, Nebraska. N 41.052162, W 99.503496.
- Isaria amoenerosea*** P. Hennings
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces amoeneroseus* (Hennings) Samson. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.
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- 741 [CNPFAF 82-1-15-06; CP 19] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. Jan 1982. Brazil: CNPAF, Goiânia, Goiás.
- 744 [CNPFAF 82-2-15-05; CP 26] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 2220 [CNPFAF 86-06-05-4; CP 216] DW Roberts ← GS da Silva. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2958 CENARGEN (CG 162). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.
- 2959 CENARGEN (CG 163). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.
- 2960 CENARGEN (CG 164). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.
- 3192 GW Riethmacher (B45a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 28 May 1990. Philippines: Villiasis, Pangasinan.
- 4097 LA Lacey (94007). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 28 Mar 1994. Brazil.
- 4849 JM Sung (C-321). Adult, [Coleoptera: Meloidae]. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwon-do.
- Isaria andoi*** Shimazu & Humber (sp. nov., unpublished)
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 1684 [CBS 118466] M Shimazu (F-430(4)) ← S Ando. *Resseliella odai* [Diptera: Cecidomyiidae]. 6 Dec 1982. Japan: Nakatsue, Oita Prefecture. CULTURE EX TYPE.

Isaria cateniannulata (ZQ Liang) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 6240 [RCEF 0107] [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Anhui.
6241 [RCEF 0464] [Coleoptera: Curculionidae]. 8 Jul 1998. PR China: Anhui.
6242 [RCEF 0507] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.
6243 [RCEF 0516] *Brachyderes incanus* [Coleoptera: Curculionidae]. 27 Jan 1999. PR China: Anhui.
8310 B Huang (G-S-2). Acc'd 25 Jan 2007. USA: Great Smoky Mountains National Park, Tennessee.
9601 X Zou (8). Larva, [Lepidoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.
11722 T Wen (CC113). Pupa, [Lepidoptera]. 2006. PR China: Wawu Mountain, Sichuan Province.

Isaria cateniannulata(?) (ZQ Liang) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 12166 I Erper (TR-55-4). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.

Isaria cateniobliqua (ZQ Liang) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 6244 [RCEF 0189] Adult, [Coleoptera]. Rec'd 24 Aug 1999. PR China: Anhui.
6283 [RCEF 0190] [Orthoptera: Acridoidea]. 26 Jul 1997. PR China: Anhui.

Isaria cicadae Miq.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 11726 T Wen (09QL). Larva, [Lepidoptera]. 2009. PR China: Guiyang City, Guizhou Province.

Isaria cicadae(?) Miq.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7973 BC King (53). Phylum Arthropoda, Class Insecta. 2004. Canada: Queen Charlotte Islands, British Columbia. GenBank match - AB086631 (99.82%) ITS. **RESTRICTED ACCESS:** consult Curator.

Isaria coleopterorum (Samson & HC Evans) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 9509 [SRCAMB VL-2091] V Likhovidov. [Coleoptera: Lampyridae]. 25 Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-1086.
10163 [ERL 1823] S Gouli and V Gouli (Thr.-10-25). [Diptera: Tipulidae]. 2010. USA: Rupert, Vermont.

Isaria farinosa (Holmsk.) Fries
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Paecilomyces farinosus* (Holmsk. ex Gray) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*. Teleomorph: *Cordyceps memorabilis* Ces.

- 3 [ATCC 24319] PW Schaefer. 3rd instar larva, *Mala-cosoma americanum* [Lepidoptera: Lasiocampidae]. 6 Jun 1972. USA: Chapin Beach, Dennis, Massachusetts.
20 RS Soper ← I Majchrowicz (1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Oct 1972. USA: Harrisburg, Pennsylvania.
38 *Leucoma salicis* [Lepidoptera: Lymantriidae]. 6 Dec 1974. Location not specified.
55 Acc'd 18 Nov 1982. India.
294 "MLC" pupa. 25 Jun 1976. Location not specified.
475 C Bajan. Rec'd Spring 1980. Poland: Poland.
476 C Bajan. Rec'd May 1980. Poland.
648 [FPMI 759] RG Lawlor. Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Sep 1981. USA: Michigan Hollow, West Danby, New York.
697 [FPMI 760] C Glenister. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jan 1982. USA: Twin Glens, Tompkins County, New York.
799 DA Rodriguez Sierra ← A López. Pupa, *Prem-notrypes vorax* [Coleoptera: Curculionidae]. Nov 1981. Colombia: Tibaitata, Mosquera, Nariño.
975 [GCRI 112-82] RA Hall. *Cydia pomonella* [Lepidoptera: Tortricidae]. Acc'd 17 Oct 1983. United Kingdom: England.
981 [GCRI 52-81] RA Hall. [Lepidoptera: Nymphalidae]. Acc'd 17 Oct 1983. United Kingdom: England.
1042 J Aoki (Cordy. 1). *Quadicalcarifera punctatella* [Lepidoptera: Notodontidae]. Aug 1982. Japan: Morioka City, Iwate Prefecture.
1065 [CNPS 26] F Moscardi. Pupa, *Chlosyne lacinia saundersi* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.
1108 KV Deseö (27) ← Menarini. Larva, *Conopia my-opaeformis* [Lepidoptera: Sesiidae]. Apr 1982. Italy: Ferrara, Emilia-Romagna.

- 1111 KV Deseö (32A) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.
- 1225 [INRA Pf-46] TJ Poprawski. *Laspeyresia medicaginus* [Lepidoptera: Tortricidae]. Apr 1981. France: Lusignan, Vienne.
- 1348 S Balazy (1584c). Pupa, [Diptera: Tachinidae]. 25 Sep 1983. Poland: Wielkopolski National Park.
- 1349 S Balazy (1584e). Pupa, [Diptera: Tachinidae]. 25 Sep 1983. Poland: Wielkopolski National Park.
- 1354 S Balazy (1594a). Rec'd 19 May 1984. Poland.
- 1355 S Balazy (1594b). Rec'd 19 May 1984. Poland.
- 1358 S Balazy (1595e). Rec'd 19 May 1984. Poland.
- 1507 I Majchrowicz (61) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1508 I Majchrowicz (76) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1851 [PFRC-FIDS 38-131] HS Whitney (R631) ← P Koot. Cocoon, *Pristiphora erichsonii* [Hymenoptera: Tenthredinidae]. 23 Oct 1984. Canada: Morrissey, Fernie, British Columbia.
- 1939 L Turlington (West Borax 1, colony B). Sentinel larva, *Aedes sierrensis* [Diptera: Culicidae]. 28 Jun 1985. USA: nr. Clearlake, California.
- 1957 [CNPAF 85-7-22-1; CP 182] JC Lord and BP Magalhães. *Lagria vilosa* [Coleoptera: Lagriidae]. 22 Jul 1985. Brazil: União dos Palmares, Alagoas.
- 2057 [NRRL A-27473] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.
- 2131 AE Hajek. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Mar 1986. USA: Tuckahoe, Maryland.
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- 3598 AE Hajek (370). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 17 Jun 1991. USA: Uhl, Ithaca, New York.
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- 4040 T Steenberg (260) ← L Øgaard. *Staphylinus olens* [Coleoptera: Staphylinidae]. Oct 1991. Denmark: Bagsværd, Zealand.
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- 5676 BL Parker (SPT-050). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabykly, Narli, Kahraman Maras.
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- 5799 BL Parker (HWA 305). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.
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- 5826 BL Parker (AT 157). *Adelges tsugae* [Hemiptera: Adelgidae]. 16 Oct 1997. USA: Guilford, Connecticut.
- 5827 BL Parker (AT 159). *Adelges tsugae* [Hemiptera: Adelgidae]. 16 Oct 1997. USA: Guilford, Connecticut.
- 5830 BL Parker (HWA 307). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.
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- 5884 FE Vega (EBCL 98025). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
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- 6037 BL Parker (AT-C-287). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 11, Sichuan Province.
- 6038 BL Parker (AT-C-288). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Tree Number 14, Sichuan Province.
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- 6048 BL Parker (AT-C-293). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.
- 6049 BL Parker (AT-C-294). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.
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- 6098 BL Parker (SPT-U-343). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: Site a, SW of Samarkand, Mirankul region.
- 6200 FE Vega (EBCL 98026). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6202 FE Vega (EBCL 98028). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6207 FE Vega (EBCL 98052). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
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- 6246 [RCEF 0449] Phylum Arthropoda, Class Arachnida. 20 Sep 1997. PR China: Anhui.
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- 6481 BL Parker (SPT-KZ-400). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
contact Curator
- 6482 BL Parker (SPT-KR-404). Adult, [Collembola] overwintering in soil. 2 Dec 2000. Kyrgyz Republic: GPS Coordinates N 43°39.257' E 073°54.353'. **RESTRICTED ACCESS:**
contact Curator
- 6488 BL Parker (SPT-KZ-418). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
contact Curator
- 6489 BL Parker (SPT-KZ-419). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
contact Curator
- 6490 BL Parker (SPT-KZ-420). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:**
contact Curator
- 6491 BL Parker (SPT-KZ-423). Adult, [Coleoptera: Chrysomelidae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°23.081' E 077°34.126'. **RESTRICTED ACCESS:**
contact Curator

- 6493 BL Parker (SPT-KZ-428). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526. **RESTRICTED ACCESS:**
contact Curator
- 6495 BL Parker (SPT-KZ-432). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
contact Curator
- 6496 BL Parker (SPT-KZ-440). Adult, [Hemiptera: Lygaeidae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:**
contact Curator
- 6497 BL Parker (SPT-KZ-443). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526. **RESTRICTED ACCESS:**
contact Curator
- 6607 JL Hatting (Sample B). [Hemiptera: Miridae] on *Aspalathus contaminatus*, Rooibos tea. . 4 Aug 1999. South Africa: Site grid reference S 31° 47' 37.5" E 8° 41' 02.2", Clanwilliam, Cape Province.
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- 6619 Rec'd 27 Sep 2000.
- 6623 Acc'd 27 May 2003.
- 6983 [PPRI 7071] JL Hatting. *Diuraphis noxia* [Hemiptera: Aphididae]. 10 Aug 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Free State.
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- 7243 JM Sung (EFCC 1460). Larva, 31 Jul 1997. Nepal.
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- 7574 I Kligen (NCRI 95/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7575 I Kligen (NCRI 164/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7576 I Kligen (NCRI 170/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7714 [SRCAMB B-181] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. Aug 2002. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-184.
- 7715 [SRCAMB VL-1124/2] V Likhovidov. Phylum Arthropoda, Class Insecta. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-302.
- 7717 [SRCAMB B-180] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Primorsky Krai. Field Collection Number F-182.
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- 7723 [SRCAMB B-108] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. 31 Aug 2002. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-185.
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2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-286.
- 7726 [SRCAMB VL-497] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 21 Jul 2001. Russian Federation: environs of Vladivostok, Vladivostok, Primorsky Krai. Field Collection Number F-272.
- 7727 [SRCAMB B-52] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-187.
- 7728 [SRCAMB VL-755] V Likhovidov. [Hymenoptera: Formicidae]. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-188.
- 7729 [SRCAMB VL-449] V Likhovidov. Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 21 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-291.
- 7730 [SRCAMB B-77] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-286.
- 7731 [SRCAMB VL-576] V Likhovidov. Pupa, [Lepidoptera]. 7 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-180.
- 7732 [SRCAMB VL-282] V Likhovidov. Phylum Arthropoda, Class Insecta in soil. Jul 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-271.
- 7733 [SRCAMB VL-51] V Likhovidov. Pupa, [Lepidoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-186.
- 7734 [SRCAMB B-404] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. Oct 1988. Ukraine: Kherson Oblast. Field Collection Number F-190.
- 7736 [SRCAMB B-102] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-293.
- 7737 [SRCAMB VL-1040/1] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-304.
- 7739 [SRCAMB B-331] V Likhovidov ← BA Borisov. Isolated from stroma of *Cordyceps nutans*. Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-334.
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- 7961 LA Lacey (4A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 69°25'26" N, 148°41'41" W, 1001 ft elevation.
- 7962 LA Lacey (5A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 28 Sep 2005. USA: Deadhorse, Alaska. 70°12'42" N, 148°28'57" W, 37 ft elevation.
- 8016 BC King (7). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8017 BC King (47). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
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- 8020 BC King (22). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8021 BC King (43). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8022 BC King (75). Rec'd 7 Apr 2006. USA: Renton, Washington. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
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- 8252 BC King (Spec 1). Acc'd 19 Dec 2006.
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- 9270 Z Demirbag and E Tanyeli (Dm-4). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.
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- 9292 [ERL 1592] S Gouli (Thr-08-P1) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
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- 9512 [SRCAMB VL-1624] V Likhovidov. Larva, [Diptera: Xylophagidae] Isolated from stroma of *Cordyceps corallomyces*. Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-585.
- 9513 [SRCAMB B-679] V Likhovidov ← BA Borisov. [Hemiptera: Coccidae]. 8 Jul 2005. Ukraine: Kiev. Field Collection Number F-746.
- 9514 [SRCAMB VL-1959] V Likhovidov. [Hymenoptera: Formicoidea]. 25 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-842.
- 9515 [SRCAMB B-186] V Likhovidov ← BA Borisov. [Lepidoptera: Lasiocampidae]. Apr 2003. Russian Federation: Moscow Region. Field Collection Number F-919.
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- 9576 [ERL 1733] S Gouli and V Gouli (Thr.-08-P/10). Isolated from soil sample. 2008. USA: Vermont.
- 9577 [ERL 1734] S Gouli (Thr.-08-P/11) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
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- 9579 [ERL 1736] S Gouli (Thr.-08-P/13) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9580 [ERL 1737] S Gouli and V Gouli (Thr.-08-P/14). Isolated from soil sample. 2008. USA: Vermont.
- 9944 LS Bauer (Legg Park 1). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Rec'd 14 Apr 2010. USA: Legg Park, Okemos, Michigan.
- 9945 LS Bauer (Legg Park 2). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Rec'd 14 Apr 2010. USA: Legg Park, Okemos, Michigan.
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- 10158 [ERL 1818] S Gouli (Thr.-10-20) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10159 [ERL 1819] S Gouli and V Gouli (Thr.-10-21). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10160 [ERL 1820] S Gouli (Thr.-10-22) and V Gouli. [Diptera] fungus gnats. 2010. USA: Bakersfield, Vermont.
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- 10165 [ERL 1825] S Gouli and V Gouli (Thr.-10-27). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.
- 11656 [NCRI 160/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Oct 2001. Norway: Ola Bøtun, Fresvik, Balestrand, Sogn og Fjordane. Soil sample from margin of conventional apple orchard.
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- 11824 [ERL 2036] S Gouli (THR-11-25) and V Gouli. [Diptera: Tipulidae]. 2011. USA: Underhill, Vermont.

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- 11826 [ERL 2038] S Gouli (THR-11-27) and V Gouli. [Diptera: Simuliidae]. 2011. USA: Underhill, Vermont.
- 11827 [ERL 2039] S Gouli and V Gouli (THR-11-28). [Coleoptera: Tenebrionidae]. 2011. USA: Richford, Vermont.
- 11828 [ERL 2040] S Gouli (THR-11-29) and V Gouli. [Diptera: Bibionidae]. 2011. USA: Richford, Vermont.
- 11829 [ERL 2041] S Gouli and V Gouli (THR-11-30). [Lepidoptera]. 2011. USA: Richford, Vermont.
- 11830 [ERL 2042] S Gouli (THR-11-31) and V Gouli. [Coleoptera: Curculionidae]. 2011. USA: Richford, Vermont.
- 11831 [ERL 2043] S Gouli and V Gouli (THR-11-32). [Coleoptera: Carabidae]. 2011. USA: Richford, Vermont.
- 11832 [ERL 2044] S Gouli (THR-11-33) and V Gouli. [Diptera: Muscidae]. 2011. USA: Richford, Vermont.
- 11833 [ERL 2045] S Gouli and V Gouli (THR-11-34). [Hemiptera: Pentatomidae]. 2011. USA: Westfield, Vermont.
- 11834 [ERL 2046] S Gouli (THR-11-35) and V Gouli. [Diptera]. 2011. USA: Underhill, Vermont.
- 11835 [ERL 2047] S Gouli and V Gouli (THR-11-36). [Hymenoptera: Eulophidae]. 2011. USA: Sharon Springs, New York.
- Isaria farinosa*(?)** (Holmsk.) Fries
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Current name: *Isaria farinosa*
(Holm:Fries) Fries nom. conserv.
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- 7219 [SRCAMB B-298] V Likhovidov ← BA Borisov. [Hemiptera: Psyllidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-331.
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- 9567 [ERL 1724] S Gouli (Thr.-08-P/1) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
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- 9569 [ERL 1726] S Gouli (Thr.-08-P/3) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9570 [ERL 1727] S Gouli and V Gouli (Thr.-08-P/4). Isolated from soil sample. 2008. USA: Vermont.
- 9571 [ERL 1728] S Gouli (Thr.-08-P/5) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9572 [ERL 1729] S Gouli and V Gouli (Thr.-08-P/6). Isolated from soil sample. 2008. USA: Vermont.
- 9573 [ERL 1730] S Gouli (Thr.-08-P/7) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9581 [ERL 1738] S Gouli (Thr.-08-P/15) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- Isaria flavovirescens*** Shimazu & Humber (sp. nov., unpublished)
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 1686 M Shimazu (48a) ← S Ando. *Resseliella odai* [Diptera: Cecidomyiidae]. 26 Jul 1984. Japan: Oita Prefecture. CULTURE EX TYPE.
- Isaria fumosorosea*** Wize
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces fumosoroseus* (Wize) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.
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- 887 [INRA 51] GG Soares (1) ← H Hoyer. Pupa, [Diptera]. Nov 1982. France: Paris, Paris.
- 989 J Aoki (Paec. 3) ← Y Sekizima. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Kumagaya, Saitama Prefecture.
- 1005 J Aoki (Paec. 2). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.
- 1506 I Majchrowicz (71) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1530 TJ Poprawski (0127A(bis)). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.
- 1532 TJ Poprawski (0127B(bis)). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.
- 1568 KV Deseö (101) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.
- 1569 KV Deseö (107) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.
- 1577 KV Deseö (104) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.
- 1578 KV Deseö (108) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.
- 1579 KV Deseö (110) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.
- 1626 TJ Poprawski (0103B). Pupa, *Musca autumnalis* [Diptera: Muscidae]. 6 Aug 1984. France: Le Trait, Seine-Maritime.

- 1644 TJ Poprawski (0141A). Pupa, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1984. France: Britang.
- 1645 TJ Poprawski (0141B). Pupa, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1984. France: Britang.
- 1646 TJ Poprawski (0142). Pupa, *Calliphora* sp. [Diptera: Calliphoridae]. 17 Aug 1984. France: Béhous, Yvelines.
- 1867 TJ Poprawski (0171). Pupa, *Musca domestica* [Diptera: Muscidae]. Acc'd 25 Mar 1985. France: Brittany, Morbihan.
- 1868 TJ Poprawski (0172). Pupa, *Musca domestica* [Diptera: Muscidae]. Acc'd 25 Mar 1985. France: Brittany, Morbihan.
- 2175 MC Rombach (130586-3). *Heteropsylla incisa* [Hemiptera: Psyllidae]. 13 May 1986. Philippines: VISCA demonstration farm, nr. Baybay, Leyte.
- 2198 MC Rombach (161285-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 16 Dec 1985. Philippines: IRRRI farm, Los Baños, Manila.
- 2216 [CNPAF 86-06-05-1; CP 212] DW Roberts ← PMOJ Neves. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2217 [CNPAF 86-06-02-2; CP 213] DW Roberts ← OS Ohashi. *Lagria vilosa* [Coleoptera: Lagriidae]. 2 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2219 [CNPAF 86-06-05-3; CP 215] DW Roberts ← DMF Capalbo. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2221 [CNPAF 86-06-05-1; CP 217] DW Roberts ← OS Ohashi. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2247 LS Osborne (UK-1). *Phenacoccus solani* [Hemiptera: Pseudococcidae] on *Gynura* sp. Acc'd 6 Oct 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.
- 2425 DG Holdom (080287-2). Larva, [Diptera: ?Stratiomyidae]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2658 DG Boucias. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Acc'd Dec 1988. USA: greenhouse, Gainesville, Florida.
- 2679 AS Martins. 3rd instar larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 13 Oct 1988. Portugal: Terceira Island, Azores.
- 2733 GW Riethmacher (B11W). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Mar 1989. Philippines: La Trinidad, Benguet.
- 2734 GW Riethmacher (M1). *Spodoptera* sp. [Lepidoptera: Noctuidae]. 28 Dec 1988. Philippines: La Trinidad, Benguet.
- 2744 GW Riethmacher (B5R9). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.
- 2745 GW Riethmacher (B5T10). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.
- 2749 GW Riethmacher (L4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 21 Mar 1989. Philippines: La Trinidad, Benguet.
- 2804 GW Riethmacher (B12p). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 11 Apr 1989. Philippines: Sta. Barbara, Pangasinan.
- 2956 CENARGEN (CG 123). *Spaethiella* sp. [Coleoptera: Chrysomelidae]. Rec'd 14 Mar 1990. Brazil: Manaus, Amazonas.
- 3076 BM Cawley ← R Hernandez-Armenta. Immature, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on shade house-grown *Gerbera* sp. 10 Jul 1990. USA: Naples, Florida.
- 3083 AD Ali. *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Gerbera* sp. Rec'd 12 Sep 1990. USA: nursery, nr. Alva, Florida.
- 3177 GW Riethmacher (B23). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 18 Dec 1989. Philippines: Gumaca, Quezon.
- 3179 GW Riethmacher (B32). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Feb 1990. Philippines: La Trinidad, Benguet.
- 3188 GW Riethmacher (B43b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 3 May 1990. Philippines: La Trinidad, Benguet.
- 3302 J Gutierrez Samperio (18) ← ERD Reyes. *Diaphania hyalinata* [Lepidoptera: Pyralidae] on melon. 1990. Mexico: Michoacán, Baja California.
- 3313 J Gutierrez Samperio (29) ← ERD Reyes. *Bemisia* sp. [Hemiptera: Aleyrodidae] on watermelon. 1990. Mexico: Tecomán, Colima.
- 3322 Yoder Bros. Inc (F2-4 BR). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Gerbera* sp. Dec 1990. USA: Fort Myers, Florida.
- 3408 AD Ali. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 6 Apr 1992. Location not specified. selected for resistance to benomyl at recommended field strength.
- 3429 K Ostrovska (51). [Hemiptera: Pentatomidae]. 25 Sep 1991. Costa Rica: Carrara.
- 3458 AD Ali. *Myzus persicae* [Hemiptera: Aphididae]. Rec'd 6 Apr 1992. Location not specified.
- 3480 CENARGEN (CG 35). Leaves of *Cyperus rotundus*. Apr 1991. Brazil: Brasília, Distrito Federal.
- 3581 SP Wraight (11). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3590 TJ Poprawski (21). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3594 TJ Poprawski (25). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3660 TJ Poprawski (43). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on hibiscus. 28 Jan 1992. USA: Calexico, California.

- 3662 TJ Poprawski (45). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on hibiscus. 28 Jan 1992. USA: Calexico, California.
- 3663 TJ Poprawski (48). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orchid tree. 28 Jan 1992. USA: Calexico, California.
- 3682 LS Osborne (PFR-97). [Hemiptera: Aphididae]. Rec'd Apr 1992. USA: Central Florida Research and Education Center, Apopka, Florida. With identification as PFR-97, this is the basis for commercialized biocontrol products registered by the US Environmental Protection Agency.
- 3699 LA Lacey (Ma17). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 3700 LA Lacey (Ma18). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on eggplant. 10 Apr 1992. India: Padappai.
- 3800 ERD Reyes (PF4). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 6 Jan 1991. Mexico: Colima.
- 3824 [ATCC 24318; FPMI 961] N Underwood (AR-SEF3682). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd Jan 1993. Laboratory manipulation.
- 3843 LA Lacey (Pfr19). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] ?. Apr 1992. India: Padappai.
- 3848 LA Lacey (92112). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 4 Oct 1992. Pakistan: Multan.
- 3851 LA Lacey (92123). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 16 Oct 1992. Pakistan: Multan.
- 3852 [JB Tavares BRA-000141] MS Tigano-Milani (CG-335). Soil. Rec'd 13 Jan 1993. Brazil.
- 3857 [JB Tavares BRA-000159] MS Tigano-Milani (CG-338). Soil. Rec'd 13 Jan 1993. Brazil.
- 3878 LA Lacey (92118) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.
- 3889 A Hara ← LS Osborne. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 22 Feb 1993. USA: Island of Hawaii, Hawaii.
- 3917 Acc'd 23 Aug 1993.
- 4205 LA Lacey (94036). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sanchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4383 LA Lacey (94009) ← A Farices (34). *Diuraphis noxia* [Hemiptera: Aphididae]. 19 Jan 1994. France: La Valette.
- 4400 LA Lacey (94097). [Hemiptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.
- 4401 LA Lacey (94061). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.
- 4404 LA Lacey (94029). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4406 LA Lacey (94065). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4407 LA Lacey (94068). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4408 LA Lacey (94069). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4409 LA Lacey (94070). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4410 LA Lacey (94071). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4411 LA Lacey (94072). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4413 LA Lacey (94075). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4414 LA Lacey (94076). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4415 LA Lacey (94077). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 4459 [ARSEF 3699] J McManus (DnPfu193Pss1). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 14 Jun 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolate from formulated ARSEF 3699. Passed through *Diuraphis noxia* 12 May 94.
- 4460 [ARSEF 3699] J McManus (DnPfu193Pss2). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 14 Jun 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolates from formulated ARSEF 3699. Passed through RWA 5/12/94.
- 4461 [ARSEF 3699] J McManus (DnPfu193Pss3). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 14 Jun 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolate from formulated ARSEF 3699. Passed through *Diuraphis noxia* 12 May 94.
- 4479 LA Lacey (Pfr, PA-97) ← LS Osborne. Host not specified. Rec'd 12 Jul 1994. USA: Apopka, Florida.
- 4480 LA Lacey (P.fr.3660). Host not specified. Rec'd 12 Jul 1994. USA: Calexico, California.
- 4481 LA Lacey (Pfr3663). Host not specified. Rec'd 12 Jul 1994. USA: Calexico, California.
- 4482 LA Lacey (92133) ← A Kirk. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.
- 4483 LA Lacey (92134) ← A Kirk. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.

- 4484 LA Lacey (92135) ← A Kirk. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.
- 4485 LA Lacey (92136) ← A Kirk. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.
- 4486 LA Lacey (92138) ← A Kirk. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.
- 4487 LA Lacey (Pfr3572). Host not specified. 19 Sep 1992. USA: McAllen, Texas.
- 4488 LA Lacey (Pfr3594). Host not specified. 19 Sep 1992. USA: McAllen, Texas.
- 4489 LA Lacey (Pfr3698). Host not specified. Rec'd 12 Jul 1994. USA: El Centro, California.
- 4490 LA Lacey (Ma8). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4491 LA Lacey (Ma17). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4492 LA Lacey (Ma18). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4493 LA Lacey (Ma19). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4494 LA Lacey (Ma20). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4495 LA Lacey (Ma21). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4496 LA Lacey (Ma22). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4497 LA Lacey (Ma27). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.
- 4498 LA Lacey (92111). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4499 LA Lacey (992114). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4501 LA Lacey (992117). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4502 LA Lacey (92118). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4503 LA Lacey (992119). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4698 J McManus (DnPfu28 and 96009ss#1.3Pss#1) ← LA Lacey (96009). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York.
- 4699 J McManus (DnPfu29 and 2198.3P) ← ARSEF (2198). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 2198 passed through and reisolated from RWA.
- 4700 J McManus (DnPfu28 and 2749.3Pss#1) ← ARSEF (2749). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 2749 passed through and reisolated from RWA.
- 4701 J McManus (DnPfu28 and 3889.3Pss#1). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 3889 passed through and reisolated from RWA.
- 4702 J McManus (DnPfu29 and 4460.3Pss#1) ← ARSEF (4460). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4460 passed through and reisolated from RWA.
- 4703 Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4460 passed through and reisolated from RWA.
- 4704 J McManus (DnPfu29 and 4480.3P) ← ARSEF (4480). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4480 passed through and reisolated from RWA.
- 4705 J McManus (DnPfu28 and 4481.3Pss#1) ← ARSEF (4481). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4481 passed through and reisolated from RWA.
- 4706 J McManus (DnPfu28 and 4482.3Pss#1). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4482 passed through and reisolated from RWA.
- 4707 J McManus (DnPfu29 and 4487.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4487 passed through and reisolated from RWA.
- 4708 J McManus (DnPfu29 and 4489.3P) ← ARSEF (4489). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4489 passed through and reisolated from RWA.
- 4709 J McManus (DnPfu29 and 4491.3P) ← ARSEF (4491). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4491 passed through and reisolated from RWA.
- 4710 J McManus (DnPfu29 and 4492.3P) ← ARSEF (4492). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4492 passed through and reisolated from RWA.
- 4711 J McManus (DnPfu29 and 4493.3P) ← ARSEF (4493). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4493 passed through and reisolated from RWA.
- 5085 LA Lacey (95075). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

- 5086 LA Lacey (95076). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5087 LA Lacey (95077). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5088 LA Lacey (95078). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5089 LA Lacey (95079). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5090 LA Lacey (95080). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5107 LA Lacey (95097). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5113 LA Lacey (95103). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5115 LA Lacey (95105). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5116 LA Lacey (95106). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5117 LA Lacey (95107). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5118 LA Lacey (95108). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5119 LA Lacey (95109). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5121 LA Lacey (95111). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5122 LA Lacey (95071). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5154 DR Sosa-Gómez (CNPSO-P77). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 30 Jan 1996. Brazil: Primeiro de Maio, Paraná.
- 5155 DR Sosa-Gómez (CNPSO-P78). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 30 Jan 1996. Brazil: Primeiro de Maio, Paraná.
- 5156 DR Sosa-Gómez (CNPSO-P79). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5157 DR Sosa-Gómez (CNPSO-P80). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5158 DR Sosa-Gómez (CNPSO-P81). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5159 DR Sosa-Gómez (CNPSO-P82). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5251 SARL (1) ← SP Wraight (LEP-1). Larva, [Lepidoptera] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.
- 5252 SARL (2) ← SP Wraight (LEP-2). Larva, [Lepidoptera] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.
- 5253 SARL (3) ← SP Wraight (EC-1). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1996. USA: Santa Maria, Texas.
- 5254 SARL (4) ← SP Wraight (EC-2). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1996. USA: Santa Maria, Texas.
- 5255 SARL (5) ← SP Wraight (EC-3). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5256 SARL (6) ← SP Wraight (EC-4). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5257 SARL (7) ← SP Wraight (EC-5). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5258 SARL (8) ← SP Wraight (EC-6). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5260 SARL (10) ← SP Wraight (SPW-16). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5261 SARL (11) ← SP Wraight (SPW-17). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5262 SARL (12) ← SP Wraight (SPW-18). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5263 SARL (13) ← SP Wraight (SPW-19). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5264 SARL (14) ← SP Wraight (SPW-20). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5265 SARL (15) ← SP Wraight (SPW-21). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5266 SARL (16) ← SP Wraight (SPW-22). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5267 SARL (17) ← SP Wraight (SPW-23). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.
- 5268 SARL (18) ← SP Wraight (SPW-24). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas. Many of the conidia seem a bit shorter and more ovoid than is usual for this species. Conidia in mass do have the gray/pink appearance expected of Pfr.
- 5269 SARL (19) ← SP Wraight (SPW-29). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.
- 5270 SARL (20) ← SP Wraight (SPW-30). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.
- 5271 SARL (21) ← SP Wraight (SPW-31). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.

- 5272 SARL (30) ← SP Wraight ← LA Lacey (92119) ← APHIS (WFP-362). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 5297 [APHIS WFP-363] SARL (34) ← LA Lacey (92135) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 6 Oct 1996. Nepal: Katmandu.
- 5298 [APHIS WFP-362] SARL (35) ← LA Lacey (92118). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 5299 SARL (36) ← SP Wraight (LACEY 921155-BT1) ← SARL (28). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5300 SARL (37) ← SP Wraight (Lacey 92133-Bt1) ← SARL (29). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5301 SARL (38) ← S Wraight (Lacey 92119-Bt1) ← SARL (30). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5302 SARL (39) ← S Wraight (Lacey Ma19-Bt1) ← SARL (31). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5303 SARL (40) ← SP Wraight (Lacey Ma21-Bt1). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5304 SARL (42) ← SP Wraight (Lacey 92135-Bt1) ← SARL (34). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5305 SARL (43) ← SP Wraight (Lacey 92118-Bt1) ← SARL (35). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5307 SARL (45) ← SP Wraight. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Mar 1993. USA: Santa Maria, Texas.
- 5308 SARL (98) ← SP Wraight (SPW-34). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5309 SARL (99) ← SP Wraight (SPW-35). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5310 SARL (100) ← SP Wraight (SPW-36). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5311 SARL (101) ← SP Wraight (SPW-37). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5312 SARL (102) ← SP Wraight (SPW-38). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5313 SARL (103) ← SP Wraight (SPW-39). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5314 SARL (104) ← SP Wraight (SPW-40). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5315 SARL (105) ← SP Wraight (SPW-41). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5316 SARL (118) ← SP Wraight (3572-Bt-9) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5317 SARL (119) ← SP Wraight (3572-Bt-10) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5318 SARL (120) ← SP Wraight (3572-Bt-11) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5319 SARL (121) ← SP Wraight (3572-Bt-12) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5320 SARL (124) ← SP Wraight (SPW-50). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 8 Sep 1993. USA: Weslaco, Texas. Conidia seem a bit shorter and more ovoid than would be normal for this species and colony/conidial mass is a bit less colored than expected.
- 5322 SARL (126) ← SP Wraight (SPW-52) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5323 SARL (127) ← SP Wraight (SPW-53) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5324 SARL (128) ← SP Wraight (SPW-54) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5325 SARL (129) ← SP Wraight (SPW-55). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5326 SARL (130) ← SP Wraight (SPW-56) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.

- 5327 SARL (131) ← SP Wraight (3572-Bt-1) ← ARSEF (3572). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 27 Aug 1996. USA: Phoenix, Arizona.
- 5328 SARL (132) ← SP Wraight (3572-Bt-2) ← ARSEF (3572). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 27 Aug 1996. USA: Phoenix, Arizona.
- 5329 SARL (145) ← SP Wraight (3572-Btx3) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5330 SARL (147) ← S Doerfler and B Flores ← TJ Poprawski. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Okra. 6 Sep 1994. USA: Harlingen, Texas.
- 5331 SARL (149) ← S Doerfler, B Flores and TJ Poprawski. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Okra. 6 Sep 1994. USA: Harlingen, Texas.
- 5462 TJ Poprawski (TJP927). 3rd instar larva, *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as freeze-dried blastospores.
- 5463 TJ Poprawski (TJP928). 3rd instar larva, *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as air-dried blastospores.
- 5464 TJ Poprawski (TJP929). 3rd instar larva, *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as fresh blastospores.
- 5475 LA Lacey (EBCL 92116). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 27 Sep 1992. Pakistan: Multan.
- 5476 LA Lacey (EBCL 92117). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 27 Sep 1992. Pakistan: Multan.
- 5540 FA Cantone. Rec'd 2 Jun 2000. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolate from ARSEF 4461 passed through *Plutella xylostella*.
- 5627 I Vänninen (SF86-82). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Aug 1986. Finland: Kymenlaakso.
- 5694 JM Sung (KEFC-919). [Coleoptera]. 28 Jun 1996. Republic of Korea: Book-Bang, Hong-Cheon Kun, Kangwon-do.
- 5844 T Steenberg (SSL 58). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5845 T Steenberg (SSL 59). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5846 T Steenberg (SSL 61). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5847 T Steenberg (SSL 62). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5855 T Steenberg (SSL 531). Nymph, *Blattella germanica* [Dictyoptera: Blattellidae]. 20 Aug 1996. Denmark: Hospital, Copenhagen, Zealand.
- 5860 T Steenberg (SSL 617). Adult, *Musca domestica* [Diptera: Muscidae]. Mar 1997. Denmark: Stable, Lyngø, Zealand.
- 5874 FE Vega (EBCL 98001). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Aug 1997. Romania: Voroneț.
- 6192 FE Vega (EBCL 99029). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6203 FE Vega (EBCL 98039). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6204 FE Vega (EBCL 98040). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6206 FE Vega (EBCL 98042). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.
- 6434 DEN Rangel (JAB 11). Biotype B, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on cotton. Mar 1998. Brazil: Miguelópolis, São Paulo.
- 6435 DEN Rangel (JAB 12). Biotype B, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on poinsettia. 3 Sep 1999. Brazil: Glasshouse, FCAV/UNESP, Jaboticabal, São Paulo.
- 6562 D Chandler (HRI 402.93). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6610 JL Hatting (2). Unspecified tick, [Acari]. Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.
- 6615 JL Hatting. Rec'd 27 Sep 2000.
- 6730 FE Vega (EBCL 97054). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 23 Feb 2001. Ivory Coast.
- 6789 FJ Posada (CEFC F-0001). Nymph & adult, [Hemiptera: Aphididae] on *Montanoa ovatifolia* (DC) Schultz-Bip., arboloco. May 2000. Colombia: Greenhouse, Chinchiná, Caldas.
- 6797 G Mercadier (EBCL 00049). *Bemisia* sp. [Hemiptera: Aleyrodidae]. 7 Aug 2000. Hong Kong: Tai Lung Experimental Station, Sheung Shui.
- 6798 G Mercadier (EBCL 00050). *Bemisia* sp. [Hemiptera: Aleyrodidae]. 7 Aug 2000. Hong Kong: Tai Lung Experimental Station, Sheung Shui.
- 6799 G Mercadier (EBCL 00051). Pupa, *Plutella xylostella* [Lepidoptera: Plutellidae] on *Brassica oleracea* L., cabbage. 13 Jul 2000. Australia: Tableland, Atherton, Queensland.
- 6800 G Mercadier (EBCL 00052). Pupa, *Plutella xylostella* [Lepidoptera: Plutellidae] on *Brassica oleracea* L., cabbage. 13 Jul 2000. Australia: Tableland, Atherton, Queensland.

- 6893 E Zhioua (T81). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Rec'd May 2001.
- 6916 C López Lastra (2). Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato in covered greenhouses. 1 Jun 2001. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7029 L Li. Rec'd 6 May 2002.
- 7050 C López Lastra. [Hemiptera: spf. Fulgoroidea]. Nov 2001. Argentina: La Plata, Buenos Aires.
- 7051 C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 23 Apr 2002. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7069 T Steenberg (319). Engorged female, *Ixodes ricinus* [Acari: Ixodidae] Collected from deer. Oct 1991. Denmark: Jægersborg Dyrehave, Zealand.
- 7204 [CEP 051] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 9 Apr 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7205 [CEP 055] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 9 Jun 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7284 FE Vega (MPM-5). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jan 2004. Mexico: Tapachula, Chiapas.
- 7347 M Liu. 12 Aug 2003. USA: Stasley residence, La Belle, Florida.
- 7523 M Filotas. Rec'd 5 Nov 2004.
- 7716 [SRCAMB B-173] V Likhovidov ← BA Borisov. [Coleoptera]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-189.
- 7740 [SRCAMB B-15] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-194.
- 7743 [SRCAMB B-101] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-282.
- 8142 LS Bauer and H Liu (MF-233). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.
- 8333 Z Demirbag (KTU-1). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Yomra, Trabzon.
- 8337 Z Demirbag (KTU-5). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8345 Z Demirbag (KTU-13). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 23 Jul 2006. Turkey: Kesap, Giresun.
- 8348 Z Demirbag (KTU-16). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Muratli, Artvin.
- 8448 Z Demirbag (KTU-42). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.
- 8716 [CEP 302] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. 22 May 2007. **RESTRICTED ACCESS:** consult Curator.
- 8717 [CEP 303] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 4 Jun 2007. Argentina: Quinta Marian del Pino, Abasto, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 8718 [CEP 304] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 3 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 8719 [CEP 305] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 3 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 8720 [CEP 306] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 10 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 8721 [CEP 307] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 16 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 8723 [CEP 308] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 4 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 8724 [CEP 309] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.

- 8725 [CEP 310] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 8726 [CEP 311] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 8727 [CEP 312] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 13 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 8728 [CEP 313] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Solanum melongena* L., eggplant. 13 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 8729 [CEP 314] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 8730 [CEP 315] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 8840 [CSIRO FI-1275] [Coleoptera: Chrysomelidae]. 5 Aug 1998. Australia: Tasmania.
- 8892 [CSIRO FI-1296] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from insect A11. 22 Dec 1998. Australia: Condong, New South Wales.
- 8928 [CEP 316] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 9294 [ERL 1594] VS Gouli (Thr-08-P3). Isolated from soil sample. 2008. USA: Vermont.
- 9380 E Groden. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jun 2009. USA: Acadia National Park, Mount Desert Island, Maine.
- 9520 [SRCAMB VL-1528] V Likhovidov. Larva, [Lepidoptera]. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-518.
- 9521 [SRCAMB VL-2057] V Likhovidov. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Aug 2000. Ukraine: Kherson Oblast. Field Collection Number F-749.
- 9582 [ERL 1739] S Gouli and V Gouli (Thr.-08-P/16). Isolated from soil sample. 2008. USA: Vermont.
- 9583 [ERL 1740] S Gouli (Thr.-08-P/17) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9584 [ERL 1741] S Gouli and V Gouli (Thr.-08-P/18). Isolated from soil sample. 2008. USA: Vermont.
- 9585 [ERL 1742] S Gouli (Thr.-08-P/19) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9586 [ERL 1743] S Gouli and V Gouli (Thr.-08-P/20). Isolated from soil sample. 2008. USA: Vermont.
- 9602 X Zou (9). [Coleoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.
- 10224 M Kereselidze. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae] from bark of *Morus* sp., mulberry. Sep 2008. Republic of Georgia: western Georgia.
- 10258 2010.
- 11657 [NCRI 167/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Olav Feten, Nessane, Balestrand, Sogn og Fjordane. Soil sample from conventional apple orchard.
- 11658 [NCRI 230/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Olav Feten, Nessane, Balestrand, Sogn og Fjordane. Soil sample from conventional apple orchard.
- 11659 [NCRI 232/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Olav Feten, Nessane, Balestrand, Sogn og Fjordane. Soil sample from conventional apple orchard.
- 12172 I Erper (TR-78-2). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12173 I Erper (TR-78-3). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12174 I Erper (TR-78-4). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12175 I Erper (TR-78-5). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12177 I Erper (TR-78-7). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- Isaria guagensis*** Rombach & Humber (unpubl. sp. nov.)
[Sordariomycetes: Hypocreales]
Cordycipitaceae
- 2152 MC Rombach (190386-1). [Orthoptera: Gryllidae]. 19 Mar 1986. Indonesia: burial caves at Londa, nr. Makale, Sulawesi Selatan, Celebes.

Isaria javanica (Friederichs & Bally) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces javanicus* (Friederichs & Bally) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.

- 322 GR Buckingham. *Litodactylus leucogaster* [Coleoptera: Curculionidae]. Dec 1978. USA: Gainesville, Florida.
- 3303 J Gutierrez Samperio (19) ← ERD Reyes. *Bemisia* sp. [Hemiptera: Aleyrodidae] on watermelon. 1990. Mexico: Tecomán, Colima.
- 3573 TJ Poprawski (3). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3577 TJ Poprawski (7). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3776 SP Wraight (SPW-11). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3778 SP Wraight (F92-2) ← J Salinus. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 9 Mar 1992. USA: Shary Plantation, Mission, Texas.
- 3981 LA Lacey (93018) ← INRA (Pfr028). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 1975. France: Ile de France.
- 5259 SARL (9) ← SP Wraight (SPW-15). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5321 SARL (125) ← SP Wraight (SPW-51). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 8 Sep 1993. USA: Weslaco, Texas.
- 5806 DA Rodríguez Sierra (UJ89002). Rec'd 7 Aug 1998. Commercial isolate.
- 7119 HE Cabanillas. Adult, [Coleoptera] on wild olive tree. 29 Oct 2002. USA: Weslaco, Texas.
- 7477 [CEP 107] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 4 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

Isaria poprawskii Cabanillas, Humber, de León & Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7028 HE Cabanillas. *Bemisia argentifolii* [Hemiptera: Aleyrodidae] on *Solanum melongena* L., eggplant in greenhouse. 28 Sep 2001. USA: Kika de la Garza Subtropical Agricultural Research Center, Weslaco, Texas. CULTURE EX TYPE.

Isaria sinclairii (Berkeley) Lloyd
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 6925 [ATCC 24400] Nymph, *Mogannia hebes* [Hemiptera: Cicadidae]. Rec'd 30 Nov 2001. Republic of China: Taiwan. Produces thermozytocidin, myriocidin.

Isaria tenuipes Peck
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces tenuipes* (Peck) Samson. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.

- 2488 SR Sánchez Peña (A1). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farias, Tamaulipas.
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- 12059 [ERL 2146] S Gouli and V Gouli (PS-12/8). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Betula alleghaniensis* Britton, yellow birch. Sep 2012. USA: Charlestown, Rhode Island.
- 12060 [ERL 2147] S Gouli (PS-12/9) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Clethra* sp., sweetpepperbush. Sep 2012. USA: Charlestown, Rhode Island.
- 12061 [ERL 2148] S Gouli and V Gouli (PS-12/10). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Gaylussacia* sp., huckleberry. Sep 2012. USA: Charlestown, Rhode Island.

- 12062 [ERL 2149] S Gouli (PS-12/11) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Charlestown, Rhode Island.
- 12063 [ERL 2150] S Gouli and V Gouli (PS-12/12). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12064 [ERL 2151] S Gouli (PS-12/13) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12065 [ERL 2152] S Gouli and V Gouli (PS-12/14). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12066 [ERL 2153] S Gouli (PS-12/15) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12067 [ERL 2154] S Gouli and V Gouli (PS-12/16). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12068 [ERL 2155] S Gouli (PS-12/17) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Prunus serotina* Ehrh., black cherry. Sep 2012. USA: Richmond, Rhode Island.
- 12069 [ERL 2156] S Gouli and V Gouli (PS-12/18). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Richmond, Rhode Island.
- 12070 [ERL 2157] S Gouli (PS-12/19) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Richmond, Rhode Island.
- 12071 [ERL 2158] S Gouli and V Gouli (PS-12/20). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Betula populifolia* Marshall, gray birch. Sep 2012. USA: Richmond, Rhode Island.
- 12089 [ERL 2176] S Gouli and V Gouli (HWA-12/4). Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Nov 2012. USA: Brattleboro, Vermont.
- Lecanicillium aphanocladii*** Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Aphanocladium araneorum* (Petch) W Gams
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- 2324 TJ Poprawski (8648). *Myzus* nr. *persicae* [Hemiptera: Aphididae]. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.
- 6433 DEN Rangel (FTRI A1) ← Triangulo Agroindustrial S.A.. Rec'd 14 Feb 2001. Brazil: Pontes e Lacerda, Mato Grosso.
- 9440 [SRCAMB B-238] V Likhovidov ← BA Borisov. Isolated from stroma of *Cordyceps variegata* 12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-923.
- 9461 [SRCAMB B-230] V Likhovidov ← BA Borisov. Isolated from air sample. Apr 2003. Russian Federation: environs of Moscow, Moscow Region. Field Collection Number F-252.
- 9611 JG Banu (1). *Paracoccus marginatus* [Hemiptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.
- 9615 S Jeyarani (TNAU 1). *Tetranychus urticae* [Acari: Tetranychidae] on *Cajanus cajan* (L.) Millsp., red gram. Jan 2010. India: Coimbatore, Tamil Nadu.
- Lecanicillium aphanocladii***(?) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 7985 [ARSEF 8640; CENARGEN CG 422] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Dom Aquino, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 7986 *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Manaus, Amazonas. **RESTRICTED ACCESS:** consult Curator.
- 7987 Rec'd 29 Mar 2006. **RESTRICTED ACCESS:** consult Curator.
- Lecanicillium evansii***(?) Zare & W. Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 11785 [ERL 2009] S Gouli and V Gouli (THR-11-1). [Diptera]. 2011. USA: Langdon, New Hampshire.
- 11789 [ERL 2014] S Gouli (THR-11-6) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11791 [ERL 2049] S Gouli and V Gouli (THR-11-38). [Thysanoptera: Thripidae]. 2011. USA: Debry, Vermont.
- 11792 [ERL 2050] S Gouli (THR-11-39) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11793 [ERL 2051] S Gouli and V Gouli (THR-11-40). [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11794 [ERL 2052] S Gouli (THR-11-41) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Westfield, Vermont.
- 11795 [ERL 2053] S Gouli and V Gouli (THR-11-42). [Diptera]. 2011. USA: Underhill, Vermont.
- 11796 [ERL 2054] S Gouli (THR-11-43) and V Gouli. [Diptera: Simuliidae]. 2011. USA: Sharon Springs, New York.

- 11797 [ERL 2055] S Gouli and V Gouli (THR-11-44). [Hemiptera: Aphididae]. 2011. USA: Westfield, Vermont.
- 11804 [ERL 2062] S Gouli (THR-11-51) and V Gouli. [Hymenoptera]. 2011. USA: Westfield, Vermont.
- 11805 [ERL 2063] S Gouli and V Gouli (THR-11-52). Larva, [Coleoptera]. 2011. USA: Debry, Vermont.
- 11806 [ERL 2064] S Gouli (THR-11-53) and V Gouli. [Hymenoptera: Trichogrammatidae]. 2011. USA: Debry, Vermont.
- 11807 [ERL 2065] S Gouli and V Gouli (THR-11-54). [Protura]. 2011. USA: Westfield, Vermont.
- 11809 [ERL 2069] S Gouli and V Gouli (THR-11-58). [Thysanoptera: Thripidae]. 2011. USA: Westfield, Vermont.

Lecanicillium flavidum (W Gams & Zaayen) W Gams & Zare

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Synonym: *Verticillium fungicola* var. *flavidum* W Gams & Zaayen

- 4519 KT Hodge (kth14). Basidiocarp, *Entoloma* sp. [Agaricales: Entolomataceae]. 9 Jul 1994. USA: Forest Home Drive, Ithaca, New York. Mycoparasite. Original specimen deposited in the Cornell University Plant Pathology Herbarium as CUP 63313.

Lecanicillium fungicola (Preuss) Zare & W Gams

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Synonym: *Lecanicillium fungicola* (Preuss) Hassebrauk

- 9482 [SRCAMB VL-1556/1] V Likhovidov. [Hemiptera: Aleyrodidae]. 12 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-493.
- 9483 [SRCAMB VL-2063] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from *Cordyceps* sp. Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-928.

Lecanicillium fusisporum (W Gams) Zare & W Gams

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Synonym: *Verticillium fusisporum* W Gams

- 5583 T Steenberg (MP6-9). *Myzus persicae* [Hemiptera: Aphididae]. Rec'd 17 Nov 1997. Denmark: Lyngby, Zealand. Single spore isolate from ARSEF 4078.
- 11787 [ERL 2011] S Gouli and V Gouli (THR-11-3). [Thysanoptera: Thripidae]. 2011. USA: Altona, New York.
- 11808 [ERL 2068] S Gouli (THR-11-57) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Altona, New York.

Lecanicillium fusisporum(?) (W Gams) Zare & W Gams

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Synonym: *Verticillium fusisporum* W. Gams

- 5578 T Steenberg (625). Adult, *Musca domestica* [Diptera: Muscidae]. Aug 1997. Denmark: Store Karleby, Zealand.
- 5579 T Steenberg (626). Adult, *Musca domestica* [Diptera: Muscidae]. Aug 1997. Denmark: Roskilde, Zealand.
- 10184 [ERL 1863] S Gouli and V Gouli (Thr.-10-71). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

Lecanicillium lecanii (Zimmermann) Zare & W Gams

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas. Teleomorph: *Cordyceps confragosa* (Mains) GH Sung, JM Sung, Hywel-Jones & Spatafora [basonym: *Torrubiella confragosa* Mains]

- 555 P Kanagaratnam. *Lecanium viridis* [Hemiptera: Lecaniidae] on coffee on wet leaves under coconut. Dec 1980. Sri Lanka: Bandirippuwa Est., Coconut Res. Inst, Lunuwila.
- 1351 S Balazy (1592). Rec'd 19 May 1984. Poland.
- 1505 I Majchrowicz (70) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vauchuse.
- 1787 IL Sivcev (287). 3rd instar larva, *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 1 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1905 MC Rombach (14). [Araneida] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.
- 2149 DG Holdom (030386-1). *Coccus viridis* [Hemiptera: Coccidae] on coffee. 3 Mar 1986. Indonesia: Yogyakarta, Java.
- 2150 DG Holdom (030386-2). *Coccus viridis* [Hemiptera: Coccidae] on coffee. 3 Mar 1986. Indonesia: Yogyakarta, Java.
- 3387 I Majchrowicz (40). *Myzus persicae* [Hemiptera: Aphididae] on cabbage. Jul 1991. USA: laboratory cages, Yakima, Washington.
- 3683 AD Ali and M Brownbridge (F1.2) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3688 M Brownbridge (F6) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 5706 JL Hatting (4). *Diuraphis noxia* [Hemiptera: Aphididae] on *Triticum aestivum*. 5 Sep 1997. South Africa: Moorreesburg, Western Cape Province.

- 5759 BL Parker (AT 128). *Adelges tsugae* [Hemiptera: Adelgidae]. 16 Oct 1997. USA: Gillette Castle State Park, Connecticut.
- 5785 BL Parker (HWA 115/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5787 BL Parker (HWA 129). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5794 BL Parker (HWA 242/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5829 BL Parker (HWA 143/2). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 6010 BL Parker ← V Gouli (SPT-R-151). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Sep 1998. Russian Federation: Volgograd.
- 6791 FJ Posada (CEFC V-0002). Adult, *Ceroplastes* sp. [Hemiptera: Coccidae] on *Passiflora adenopoda* DC., passionflower. Jul 2000. Colombia: Greenhouse, Chinchiná, Caldas.
- 6886 H Cortez Madrigal (Vu). *Uroleucon ambrosiae* [Hemiptera: Aphididae] on weed, *Compositae*. Aug 2000. Mexico: Cárdenas, Tabasco.
- 6887 H Cortez Madrigal (Vs). [Hemiptera: Aphididae] on forest tree. 22 Jun 2000. Mexico: Huimanguillo, Tabasco.
- 6888 H Cortez Madrigal (Ve). [Hemiptera: Coccidae] on ornamental tree. 4 Nov 1999. Mexico: Cárdenas, Tabasco.
- 6915 I Klingen (NCRI 03/01/V1). *Myzus cerasi* [Hemiptera: Aphididae]. 12 Jun 2001. Norway: Kaia, Ås, Akershus.
- 7181 H Liu (MSUFS-701). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 18 Dec 2001. USA: East Lansing, Michigan.
- 7182 H Liu (MSUFS-702). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 18 Dec 2001. USA: East Lansing, Michigan.
- 7207 [CEP 057] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 7 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7385 M Liu (ml178-1). 16 Dec 2003. USA: Guilarte, Adjuntas, Puerto Rico. Cultured from *Torrubiella confragosa* Mains.
- 7408 M Liu (ml172-2). [Hemiptera: Coccoidea]. 16 Dec 2003. USA: Guilarte Forest Reserve, outside manager's office, Adjuntas, Puerto Rico. Cultured from *Torrubiella confragosa* Mains.
- 7462 [CEP 108] C López Lastra. *Myzus persicae* [Hemiptera: Aphididae] from laboratory colony. 25 Apr 2004. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7530 S Keller (950). *Aphis rumicis* [Hemiptera: Aphididae]. 14 Oct 2003. Switzerland: Watt, Zurich.
- 7550 I Marchizeli Wenzel. [Hemiptera: Coccoidea]. Rec'd 24 Jan 2005. Brazil: Ubirajara, São Paulo.
- 8115 LS Bauer and H Liu (MF-204). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8295 YK Caner (21). Rec'd 22 Aug 2006. Turkey: mah 2, Seyhli, Istanbul.
- 11817 [ERL 2083] S Gouli and V Gouli (HWA-12-3). *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: Dummerston, Vermont.

Lecanicillium lecanii(?) (Zimmermann) Zare & Gams
[Sordariomycetes: Hypocreales]Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas.

- 1109 KV Deseö (29) ← Pasqualini. *Cydia pomonella* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Ravenna, Emilia-Romagna.
- 3689 M Brownbridge (F7) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3882 [ARSEF 3836] N Underwood (3836) ← S Meyer (3836). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.
- 3883 [ARSEF 3837] N Underwood (3837) ← S Meyer (3837). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.
- 3884 [ARSEF 3839] S Meyer (3839) ← N Underwood (3839). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.
- 4060 T Steenberg (VT2). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.
- 5136 S Onofri (n°1). Moss. Rec'd 26 Feb 1996. Antarctica: Crater Cirque.
- 5137 S Onofri (n°2). Soil. Rec'd 26 Feb 1996. Antarctica: Mt. Melbourne. Isolated from soil heated by volcanism. **RESTRICTED ACCESS: it contact Curator.**
- 5138 S Onofri (n°3). Moss. Rec'd 26 Feb 1996. Antarctica: Kay Island. **RESTRICTED ACCESS: it contact Curator.**
- 5580 T Steenberg (TT4). *Thrips tabaci* [Thysanoptera: Thripidae]. Rec'd 17 Nov 1997. Denmark.
- 5581 T Steenberg (VL10). [Hemiptera: Aphididae]. Rec'd 17 Nov 1997. Denmark.
- 5584 T Steenberg (A2). *Haematobia irritans* [Diptera: Muscidae]. Rec'd 17 Nov 1997. Denmark.

- 5585 T Steenberg (A16). *Haematobia irritans* [Diptera: Muscidae]. Rec'd 17 Nov 1997. Denmark.
- 6289 S Farrokhi (PPDRI 4). *Coccus hesperidum* [Hemiptera: Coccidae]. Oct 1996. Iran: Amal.
- 8293 YK Caner (14). Rec'd 22 Aug 2006. Turkey: Uzgur Köyü, Samsun.
- 8294 YK Caner (15). Rec'd 22 Aug 2006. Turkey: Yagizli, Ordu.
- 11815 [ERL 2080] S Gouli (EHS-12-3) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11972 DW Roberts (DWR 2135). Isolated from soil sample SS 19500. 8 Jun 2010. USA: Elko County, Nevada. N 41.884965, W 115.96143.
- Lecanicillium longisporum*** (Petch) Zare & W Gams [Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas
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- 321 GR Buckingham. *Rhopalosiphum nymphaeae* [Hemiptera: Aphididae]. Dec 1978. USA: Crystal River, Gainesville, Florida.
- 974 [GCRI 93-82a] RA Hall. [Hemiptera: Aphididae]. Acc'd 17 Oct 1983. Venezuela.
- 1026 [GCRI 13-74] RA Hall. *Myzus persicae* [Hemiptera: Aphididae]. 1974. India: Nagaich.
- 2460 TJ Poprawski (8705) ← AJ Nasca (VL-T9). *Toxoptera citricida* [Hemiptera: Aphididae]. 1984. Argentina: Tucumán. 29547.
- 3701 LA Lacey (059) ← BL Parker. Adult, [Thysanoptera: Thripidae]. 26 Mar 1992. France: Bellegarde, Gard.
- 4050 T Steenberg (299). *Tachyporus hypnorum* [Coleoptera: Staphylinidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 5126 [Horticulture Research International 1.72] D Chandler (HRI 1.72). *Macrosiphoniella sanborni* [Hemiptera: Aphididae] on chrysanthemums in a heated greenhouse. 1972. United Kingdom: Littlehampton, West Sussex, England. Used in Vertalec.
- 7206 [CEP 056] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 2 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires.
RESTRICTED ACCESS: consult Curator.
- 7457 [CEP 100] C López Lastra. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 16 Mar 2004. Argentina: Bartolomé Bavio, Buenos Aires.
RESTRICTED ACCESS: consult Curator.
- 7458 [CEP 101] C López Lastra. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 16 Mar 2004. Argentina: Bartolomé Bavio, Buenos Aires.
RESTRICTED ACCESS: consult Curator.
- 7459 [CEP 106] C López Lastra. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 13 Apr 2004. Argentina: Bartolomé Bavio, Buenos Aires.
- 7461 [CEP 056] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 2 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires.
- 7783 [CEP 188] C López Lastra ← AC Scorsetti. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 1 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires.
- 7784 [CEP 190] C López Lastra ← AC Scorsetti. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 22 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires.
- 7923 KT Hodge ← MR Faria. [Hemiptera: Aphididae] on lower leaf surface of an aquatic plant. 19 Sep 2005. USA: Northeast Elementary School, Ithaca, New York.
- 8042 E Herrera Navarro (V.I. - Colima). [Hemiptera: Aphididae] collected from *Citrus limon* (L.) Burm., lemon trees. Rec'd 24 May 2006. Mexico: Colima.
- 8297 YK Caner (29). Rec'd 22 Aug 2006. Turkey: Bulancak, Giresun.
- Lecanicillium muscarium*** (Petch) Zare & W Gams [Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas
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- 204 RT Mietkiewski. *Macrosiphum euphorbiae* [Hemiptera: Aphididae]. 6 Feb 1978. USA: greenhouse, Orono, Maine.
- 310 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.
- 311 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.
- 312 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.
- 313 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.
- 314 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.
- 795 [ATCC 58909] GA Kuter (182). Leaf litter under sugar maple. 1975. USA: Abraham's Woods, University of Wisconsin Arboretum, Green County, Wisconsin.
- 810 E Ballard. *Ochlerotatus triseriatus* [Diptera: Culicidae]. 20 Jul 1982. USA: Berea, Kentucky.
- 811 RG Lawlor ← Tate and Lyle Ltd. Commercial formulation. Acc'd 9 Feb 1983. Laboratory manipulation.
- 900 Z Feng. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Spring 1983. USA: Batavia, New York.
- 972 [GCRI 55-81] RA Hall. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Acc'd 17 Oct 1983. Poland: glasshouse.
- 973 [GCRI 59-81] RA Hall. *Cossula cossus* [Lepidoptera: Cossidae]. Acc'd 17 Oct 1983. Italy.

- 980 [GCRI 12-74] RA Hall. *Pulvinaria floccifera* [Hemiptera: Coccidae]. Acc'd 17 Oct 1983. Turkey.
- 994 J Aoki (Vert. 1). *Adoxophyes orana* [Lepidoptera: Tortricidae]. Feb 1980. Japan: Iruma, Saitama Prefecture.
- 1002 J Aoki (Har. 1) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1029 [GCRI 8-73] RA Hall. *Saissetia oleae* [Hemiptera: Coccidae]. 1973. Israel.
- 1033 [GCRI 20-79] RA Hall. *Icerya purchasi* [Hemiptera: Margarodidae]. 1979. Sri Lanka.
- 1102 [FPMI 708] KV Deseö (6). Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Apr 1981. Italy: Galliera.
- 1328 TJ Poprawski (084). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 17 May 1983. France: Chichery.
- 1330 S Balazy (1428). Adult, [Hymenoptera: Ichneumonidae]. 1 Sep 1981. Poland: Wielkopolski National Park.
- 1332 S Balazy (1480). 16 Mar 1982. Poland: Forest Research Institute, Warsaw.
- 1334 S Balazy (1453k). Rec'd 19 May 1984. Poland.
- 1335 S Balazy (1539). Larva, *Malachius bipustulatus* [Coleoptera: Melyridae] under the stem bark of *Quercus robur* in leafy forest. 24 Apr 1983. Poland: Wielkopolski National Park.
- 1352 S Balazy (1592b). Rec'd 19 May 1984. Poland.
- 1401 TJ Poprawski (089). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.
- 1402 TJ Poprawski (090). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.
- 1403 TJ Poprawski (091). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.
- 1774 RA Humber and MC Rombach. *Coccus viridis* [Hemiptera: Coccidae] on coffee under coconut. 12 Nov 1984. Sri Lanka: Coconut Research Institute, Lunuwila.
- 2065 GC Carroll (6(HO-O-Hatch VIII)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.
- 2066 GC Carroll (4(HO-O-Hatch VIII)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.
- 2323 TJ Poprawski (8647). *Myzus* nr. *persicae* [Hemiptera: Aphididae]. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.
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- 2326 TJ Poprawski (8650). Adult, *Myzus* nr. *persicae* [Hemiptera: Aphididae] on tobacco. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.
- 2329 TJ Poprawski (8654). Adult, [Diptera: Tipulidae] on cotton. 29 Oct 1986. France: greenhouse, Béhoust, Yvelines.
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- 2659 C Gopalakrishnan (30). [Hemiptera: Aphididae]. Rec'd Nov 1988. India.
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- 2878 MG Feng (DN8701). *Diuraphis noxia* [Hemiptera: Aphididae] on wheat. 20 Jul 1987. USA: greenhouse, Parma, Idaho.
- 2923 MS Goettel. [Thysanoptera: Thripidae]. Rec'd 14 Dec 1989. Canada.
- 3000 MS Goettel. *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 23 Oct 1989. Canada: nr. Writing-on-Stone Prov. Park, Warner County, Alberta.
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- 3531 AE Hajek (93a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Jun 1991. USA: Harris Lake, Monongalia County, West Virginia.
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- 3685 M Brownbridge (F3.1) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3686 M Brownbridge (F4) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

- 3690 M Brownbridge (F9) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3691 M Brownbridge (F10) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
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- 3861 [ARSEF 2862] N Underwood (ARSEF2862). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 28 Jan 1993. Laboratory manipulation.
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- 5772 BL Parker (AT 136). *Adelges tsugae* [Hemiptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.
- 5778 BL Parker (HWA 8-1). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5779 BL Parker (HWA 8-2). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5780 BL Parker (HWA 9). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5782 BL Parker (HWA 61/2). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5791 BL Parker (HWA 159). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5795 BL Parker (HWA 280). *Adelges tsugae* [Hemiptera: Adelgidae]. 16 May 1997. USA: Princeton, New Jersey.
- 5798 BL Parker (HWA 304). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.
- 5822 BL Parker (AT 076). *Adelges tsugae* [Hemiptera: Adelgidae]. 3 Jul 1997. USA: Crabtree Falls, Virginia.
- 5828 BL Parker (HWA 60/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1998. USA: Mt. Tom, Holyoke, Massachusetts.
- 6035 BL Parker (AT-C-284). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 4, Tree Number 16, Sichuan Province.
- 6118 BL Parker (SPT-2-311). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
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- 6699 *Hemileia vastatrix* [Uredinales] coffee rust. Rec'd 17 Jan 2001. Ethiopia: Kefa.
- 6792 FJ Posada (CEFC V-0003). Adult, *Coccus viridis* [Hemiptera: Coccidae] on *Coffea arabica* L., coffee. Jul 2000. Colombia: Field, Palestina, Caldas.
- 6914 I Klingen (NCRI 04/01/V1). *Myzus cerasi* [Hemiptera: Aphididae]. 4 Jul 2001. Norway: Agnes Volent, Klokkekarstua, Hurum, Buskerud.
- 7034 RG Hollingsworth (KNF2002-4). [Hemiptera: Aphididae]. 26 Jan 2002. USA: Hilo, Hawaii.
- 7037 RG Hollingsworth (KNF2002-7). [Hemiptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
- 7224 [SRCAMB B-266] V Likhovidov ← BA Borisov. [Diptera]. 11 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-307.
- 7248 JM Sung (EFCC 2011). [Coleoptera: Curculionidae]. 20 May 1998. Republic of Korea: Guryungryung, Kangwon-do.
- 7375 D Held. *Ceroplastes* sp. [Hemiptera: Coccidae] on *Ilex* sp., holly. 26 May 2004. USA: Green Forest Nursery, Perkinston, Mississippi.
- 7460 [CEP 054] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 6 Jun 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.

- 7568 I Klingen (NCRI 227/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7620 [SRCAMB VL-1124/1] V Likhovidov. Phylum Arthropoda, Class Insecta. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-169.
- 7621 [SRCAMB VL-770/2] V Likhovidov. Pupa, [Lepidoptera]. Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-167.
- 7631 [SRCAMB B-409] V Likhovidov ← BA Borisov. *Phragmidium* sp. [Pucciniales: Phragmidiaceae] on *Rubus* sp., blackberry. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-222.
- 7633 [SRCAMB VL-43] V Likhovidov. [Hemiptera: Coccoidea]. Sep 2001. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-246.
- 7738 [SRCAMB B-234/3] V Likhovidov ← BA Borisov. Adult, [Lepidoptera] Isolated from synnema of *Akanthomyces* sp.. 12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-314.
- 7781 [CEP 063] C López Lastra ← A Toledo. Adult, female, *Delphacodes kuscheli* [Hemiptera: Delphacidae] reared on *Hordeum vulgare* L., barley. 28 Aug 2003. Argentina: greenhouse at CEPAVE, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7782 [CEP 182] C López Lastra ← AC Scorsetti. *Myzus persicae* [Hemiptera: Aphididae] Laboratory colony. 29 Dec 2004. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7785 [CEP 194] C López Lastra ← AC Scorsetti. *Aphis fabae* [Hemiptera: Aphididae] on *Solanum melongena* L., eggplant. 22 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7994 BC King (20). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AJ292388 (100%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 8041 [ATCC 26854] E Herrera Navarro (V.I. - UAM). *Parthenolecanium corni* [Hemiptera: Coccidae]. Rec'd 24 May 2006. Czechoslovakia.
- 8048 HH Kope (PFC 5). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Eve River, Vancouver Island, British Columbia. 50°17' N, 126°18' W.
- 8049 HH Kope (PFC 6). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Eve River, Vancouver Island, British Columbia. 50°17' N, 126°18' W.
- 8050 HH Kope (PFC 9). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8051 HH Kope (PFC 10). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Nimpkish, Vancouver Island, British Columbia. 50°19' N, 126°54' W.
- 8052 HH Kope (PFC 11). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Nimpkish, Vancouver Island, British Columbia. 50°19' N, 126°54' W.
- 8053 HH Kope (PFC 12). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Cowichan Lake, Vancouver Island, British Columbia. 48°50' N, 124°06' W.
- 8054 HH Kope (PFC 15). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8114 LS Bauer and H Liu (MF-203). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8118 LS Bauer and H Liu (MF-208). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8157 LS Bauer and H Liu (MF-248). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.
- 8163 LS Bauer and H Liu (MF-254). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.
- 8165 LS Bauer and H Liu (MF-257). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Ann Arbor, Michigan.
- 8296 YK Caner (24). Rec'd 22 Aug 2006. Turkey: mah 1, Seyhli, Istanbul.
- 8642 YK Caner (2.23). Rec'd 13 Jul 2007. Turkey: Piraziz, Giresun.
- 8714 KL Perry. *Myzus persicae* [Hemiptera: Aphididae] on potato leaves in laboratory incubator colonies. Rec'd 16 Apr 2008. USA: Cornell University, Virology-Nematology Laboratory and Greenhouse, Ithaca, New York.
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- 9268 Z Demirbag and E Tanyeli (Dm-2). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.

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- 9468 [SRCAMB B-244] V Likhovidov ← BA Borisov. Adult, [Lepidoptera]. 12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-310.
- 9469 [SRCAMB B-245/2] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. 13 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-353.
- 9470 [SRCAMB VL-1713/2] V Likhovidov. [Diptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-775.
- 9471 [SRCAMB VL-2004] V Likhovidov. [Pucciniales]. 23 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-886.
- 9472 [SRCAMB VL-2017] V Likhovidov. [Pucciniales]. 21 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-889.
- 9477 [SRCAMB B-234/1] V Likhovidov ← BA Borisov. [Lepidoptera]. Aug 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-582.
- 10173 [ERL 1851] S Gouli and V Gouli (Thr.-10-59). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.
- 10178 [ERL 1857] S Gouli and V Gouli (Thr.-10-65). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
- 11307 DW Roberts (DWR 1616). Isolated from soil sample SS 16413. 10 Aug 2009. USA: Yakima County, Washington. N 46.4043, W 120.77586.
- 11730 I Erper (TR-04). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Ordu Province.
- 11731 I Erper (TR-05). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Samsun Province.
- 11733 I Erper (TR-07). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Ordu Province.
- 11734 I Erper (TR-08). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Düzce Province.
- 11736 I Erper (TR-10). *Parthenolecanium* sp. [Hemiptera: Coccidae]. Rec'd 6 Feb 2012. Turkey: Trabzon Province.
- 11802 [ERL 2060] S Gouli (THR-11-49) and V Gouli. [Lepidoptera]. 2011. USA: Rupert, Vermont.
- 11803 [ERL 2061] S Gouli and V Gouli (THR-11-50). *Ips* sp. [Coleoptera: Scolytidae]. 2011. USA: Orford, New Hampshire.
- 11818 [ERL 2084] S Gouli (HWA-12-4) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: Wilton, New Hampshire.
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- Lecanicillium muscarium*(?) (Petch) Zare & Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas.
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- 1032 [GCRI 80-82] RA Hall. *Cydia pomonella* [Lepidoptera: Tortricidae]. 1982. Australia.
- 3687 M Brownbridge (F5) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 5777 BL Parker (HWA 4). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts. Strong hints of *Lecanicillium longisporum*, but some conidia too small. .
- 8162 LS Bauer and H Liu (MF-253). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.
- 8265 RJ Pereault (Walton Spray pci#2). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 9462 [SRCAMB VL-2112] V Likhovidov. *Phragmidium* sp. [Pucciniales: Phragmidiaceae] on *Rubus* sp., blackberry. Oct 2006. Ukraine: Odessa Oblast. Field Collection Number F-144.
- 9463 [SRCAMB B-410] V Likhovidov ← BA Borisov. [Hemiptera: spf. Coccoidea]. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-224.
- 9464 [SRCAMB B-322] V Likhovidov ← BA Borisov. [Hemiptera: Aleyrodidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-327.
- 11816 [ERL 2082] S Gouli (HWA-12-2) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: East Granby, Connecticut.
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- Lecanicillium* nr. *aranearum* (Petch) Zare & Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Reclassified from *Verticillium* Section Prostrata for phylogenetically required reasons.
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- 9460 [SRCAMB VL-2092] V Likhovidov. [Coleoptera: Lampyridae]. 25 Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-1104.
- 11799 [ERL 2057] S Gouli and V Gouli (THR-11-46). *Ips* sp. [Coleoptera: Scolytidae]. 2011. USA: Debry, Vermont.
- 11811 [ERL 2071] S Gouli and V Gouli (THR-11-60). [Coleoptera: Elateridae]. 2011. USA: Sharon Springs, New York.

Lecanicillium pissodis Kope & I. Leal

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 8055 [DAVFP 29230] HH Kope (PFC 17). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8056 [DAVFP 29231] HH Kope (PFC 18). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8057 [CBS 118231; DAVFP 29232] HH Kope (PFC 19). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W. CULTURE EX TYPE.

Lecanicillium psalliotae (Treschow) Zare & W Gams

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Verticillium psalliotae* Treschow

- 2234 LS Osborne (UK-3(3)). *Rhizoecus* sp. [Hemiptera: Pseudococcidae] in soil. Acc'd 8 Sep 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.
- 2235 LS Osborne (UK-3(2)). *Rhizoecus* sp. [Hemiptera: Pseudococcidae] in soil. Acc'd 8 Sep 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.
- 2332 MG Feng (SA8601). *Sitobion avenae* [Hemiptera: Aphididae] on spring wheat. 25 Jul 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.
- 3416 K Ostrovska (25) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 4960 N Viaene (11). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] Elba muck. 13 Jul 1992. USA: Elba, New York.
- 4965 N Viaene (27). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Jacobson onion field, Oswego, New York.
- 5249 [ATCC 14495; CBS 154.61] *Olivea colebrookeae* [Uredinales] on *Colebrookea oppositifolia*. Acc'd 19 Aug 1996. India: Khandala. Type culture of *Cephalosporium curtipes* Sacc. var. *uredinicola* Sukap. & Thirum.
- 5582 T Steenberg (BT5). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 17 Nov 1997. Denmark: Greenhouse, Lyngby, Zealand.
- 5666 BL Parker (SPT-005). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.
- 5681 BL Parker (SPT-077). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5683 BL Parker (SPT-079). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5685 BL Parker (SPT-087). [Lepidoptera]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.
- 5763 BL Parker (SPT 051). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5835 BL Parker (SPT 052). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 6071 BL Parker (SPT-U-285). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6436 DEN Rangel (JAB 13). Biotype B, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on poinsettia. 3 Sep 1999. Brazil: Glasshouse, FCAV/UNESP, Jaboticabal, São Paulo.
- 6581 G Sewify (3). *Icerya aegyptica* [Hemiptera: Margarodidae]. May 2000. Egypt.
- 6582 G Sewify (4). *Icerya aegyptica* [Hemiptera: Margarodidae]. May 2000. Egypt.
- 8468 WC Luz (eco 28). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** consult Curator.
- 8890 G George-Ambrose (SLUMAFFE 1). *Raoiella indica* [Acari: Tenuipalpidae]. Rec'd 12 Jan 2009. Saint Lucia.
- 9473 [SRCAMB VL-1540] V Likhovidov. Larva, Phylum Arthropoda, Class Insecta. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-467.
- 9474 [SRCAMB VL-2011] V Likhovidov. [Hemiptera: Aphididae]. 5 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-859.
- 10170 [ERL 1842] S Gouli (Thr.-10-50) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.
- 10175 [ERL 1854] S Gouli (Thr.-10-62) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10176 [ERL 1855] S Gouli and V Gouli (Thr.-10-63). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10177 [ERL 1856] S Gouli (Thr.-10-64) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.
- 10179 [ERL 1858] S Gouli (Thr.-10-66) and V Gouli. [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.
- 10180 [ERL 1859] S Gouli and V Gouli (Thr.-10-67). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10181 [ERL 1860] S Gouli (Thr.-10-68) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10182 [ERL 1861] S Gouli and V Gouli (Thr.-10-69). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

Lecanicillium psalliotae(?) (Treschow) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium psalliotae*
Treschow

4867 BL Parker (AVRDC-0558B). Soil Allium. 3 Nov 1995. Republic of China: AVRDC Field #92, Taiwan.

10183 [ERL 1862] S Gouli (Thr.-10-70) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

Lecanicillium sp. 2(?) sensu W. Gams & Zare
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2832 SR Sánchez Peña (2). [Coleoptera]. Jul 1987. Mexico: elev. 2900 m, Pseudotsuga-Abies forest, Pueblo Nuevo, Durango.

Lecanicillium wallacei(?) HC Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

10172 [ERL 1849] S Gouli and V Gouli (Thr.-10-57). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.

10174 [ERL 1852] S Gouli (Thr.-10-60) and V Gouli. [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.

Lecanicillium(?) sp.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

9369 [ERL 1669] S Gouli and V Gouli (HWA-G-23). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: Massachusetts.

Legeriosimilis sp.
[Kickxellomycotina: Harpellales]

9066 RW Lichtwardt (ALG-10-W3). [Trichoptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Leptolegnia sp.
[Oomycetes: Saprolegniales]
Leptolegniaceae

2004 [ATCC 58384] BA Jaffee (WPG). *Xiphinema sp.* [Dorylaimida: Longidoridae]. 23 Jul 1984. USA: Snyder County, Pennsylvania.

Leptolegnia chapmanii Seymour
[Oomycetes: Saprolegniales]
Leptolegniaceae

2562 [ARSEF 2680] JC Lord (Bartow A). *Mansonia titillans* [Diptera: Culicidae]. 8 Feb 1988. USA: abandoned phosphate pit, Bartow, Florida.

2680 [ARSEF 2562] JC Lord (Bartow A). *Mansonia titillans* [Diptera: Culicidae]. Rec'd 6 Feb 1989. USA: abandoned phosphate pit, Bartow, Florida.

2681 JC Lord ← TJ McInnis. *Culex pipiens quinquefasciatus* [Diptera: Culicidae]. Rec'd 6 Feb 1989. USA: Clemson, South Carolina.

2682 JC Lord. *Culex sp.* [Diptera: Culicidae]. 1987. USA: ground pool, Levy County, Florida.

5499 C López Lastra. 4th instar larva, *Aedes albifasciatus* [Diptera: Culicidae]. 25 Sep 1996. Argentina: Pond located in Melchor Romero, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.

6718 C López Lastra. 3rd instar larva, *Aedes aegypti* [Diptera: Culicidae]. Rec'd 19 Feb 2001. USA: Ithaca, New York. Laboratory re-isolation of ARSEF 5499. **RESTRICTED ACCESS:** consult Curator.

7787 [CEP 196] C López Lastra. Larva, *Aedes albifasciatus* [Diptera: Culicidae]. 20 May 2005. Argentina: CEPAVE, La Plata, Buenos Aires. Re-isolated following passage through *Aedes aegypti* [Diptera: Culicidae] larva. **RESTRICTED ACCESS:** consult Curator.

Macrobotophthora vermicola (McCulloch) Tucker
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

650 EC Bernard. *Cruzinema lambdiense* [Rhabditida: Rhabditidae]. 1977. USA: Tennessee.

Mariannaea elegans (Corda) Samson
[Sordariomycetes: Hypocreales]
Nectriaceae. Anamorph of *Nectria mariannaeae* Samuels & Seifert.

5338 KT Hodge (kth9). From dead wood in moist chamber. Apr 1992. USA: CU Plantations, Mundy Wildflower Garden, Ithaca, New York.

5349 [CBS 745.88] GJ Samuels ← CT Rogerson (71-199). on pine. 25 Jul 1971. Venezuela: Parq. Nac. Sierra Nevada, 7 km E of Tabay, above fish hatchery at La Mucuy, La Mucuy, Merida. Culture ex holotype, *Nectria mariannaeae* Samuels & Seifert. Collector Dumont (VE 2980) Samuels & Borjas.

5350 [CBS 746.88] GJ Samuels ← CT Rogerson (71-13). From bark. 11 Jan 1971. Jamaica: Vic. Dick's Pond, W of Hardwar Gap, near Holywell Rec. Area and Wag Water River, St. Andrew Parish. Culture ex paratype, *Nectria mariannaeae* Samuels & Seifert. Collector Korf & al. (CUP-MJ 789) .

- 9455 [SRCAMB VL-1718] V Likhovidov. Larva, [Diptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-1099.
- 9456 [SRCAMB B-450] V Likhovidov ← BA Borisov. Larva, [Diptera]. 2004. Russian Federation: Moscow Region. Field Collection Number F-939.
- Mariannaea pruinosa* Liang**
[Sordariomycetes: Hypocreales]
Cordycipitaceae; correct generic assignment remaining to be determined.
-
- 5413 ZQ Liang (CGAC-2281). *Iragoides fasciata* [Lepidoptera: Limacodidae]. Rec'd Fall 1996. PR China: tea garden, Guiyang City, Guizhou Province.
- Mariannaea sp.***
[Sordariomycetes: Hypocreales]
Cordycipitaceae; correct generic assignment remaining to be determined.
-
- 2930 [IMI 331276] M Skinner (PT-11). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae] from soil. Rec'd 10 Jan 1990. USA: sugar maple stand, Randolph, Vermont.
- 3252 M Brownbridge (A). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.
- 3257 M Brownbridge (F). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 22 Feb 1991. USA: Agway Research Farm, Tully, New York.
- 3258 M Brownbridge (G). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: B. Bascone, Sullivan County, New Hampshire.
- 3261 M Brownbridge (K). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 7 Dec 1990. USA: Williamstown, Massachusetts.
- 3262 M Brownbridge (L). Discolored larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 7 Dec 1990. USA: Williamstown, Massachusetts.
- 3263 M Brownbridge (M). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Clark, Massachusetts.
- 3264 M Brownbridge (N). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3265 M Brownbridge (O). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3267 M Brownbridge (Q). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3268 M Brownbridge (R). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3269 M Brownbridge (S). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3270 M Brownbridge (T). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3315 M Brownbridge (DT-122). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3316 M Brownbridge (Williams). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: William's sugar maple stand, Orange County, Vermont.
- 3317 M Brownbridge (Perry 2). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3549 M Brownbridge (R-11). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Thurber's sugar maple stand, Windham County, Vermont.
- 3554 M Brownbridge (R-20.1). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Twitchell's sugar maple stand, Bennington County, Vermont.
- 3555 Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Twitchell's sugar maple stand, Bennington County, Vermont.
- 3557 M Brownbridge (R-23). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3558 M Brownbridge (R-25). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3559 M Brownbridge (R-27). Brown mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Begin's sugar maple stand, Windsor County, Vermont.
- 3562 M Brownbridge (R-31). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.
- 3563 M Brownbridge (R-34). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.
- 9932 [ERL 1776] S Gouli (Thr.-09-8) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9933 [ERL 1777] S Gouli and V Gouli (Thr.-09-9). [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9934 [ERL 1778] S Gouli (Thr.-09-10) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 10150 [ERL 1810] S Gouli (Thr.-10-28) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.
- 10151 [ERL 1811] S Gouli and V Gouli (Thr.-10-29). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.

- 10152 [ERL 1812] S Gouli (Thr.-10-30) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.
- 10153 [ERL 1813] S Gouli and V Gouli (Thr.-10-31). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.
- 10185 [ERL 1864] S Gouli (Thr.-10-72) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
- 10194 [ERL 1872] S Gouli and V Gouli (Thr.-10-80). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10204 [ERL 1882] S Gouli and V Gouli (Thr.-10-90). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.
- 10205 [ERL 1883] S Gouli (Thr.-10-91) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.
- 11812 [ERL 2072] S Gouli (THR-11-61) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Debry, Vermont.
- 11813 [ERL 2073] S Gouli and V Gouli (THR-11-62). [Thysanoptera: Thripidae]. 2011. USA: Debry, Vermont.
- 11814 [ERL 2074] S Gouli (THR-11-63) and V Gouli. [Hymenoptera: Vespidae]. 2011. USA: Rupert, Vermont.

***Massospora cicadina* Peck**

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

- 374 RS Soper. *Magiicada septendecim* [Hemiptera: Cicadidae]. 16 Jun 1979. USA: Mohawk Lake Preserve, New Paltz, New York.

***Metacordyceps yongmunensis* GH Sung, JM Sung**

& Spatafora

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 5719 JM Sung (KEFC-1190). Rec'd 11 May 1998.

***Metarhiziosis microspora* D-W Li, R Cowles, & C**

Vossbrinck

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 8676 DW Li. *Fiorinia externa* [Hemiptera: Diaspididae]. Oct 2006. USA: Coventry, Connecticut. 41°47.25' N, 72°21.50' W. Holotype deposited as BPI 878276. CULTURE EX TYPE.
- 8984 [ERL 1349] VS Gouli (EHS-333). *Fiorinia externa* [Hemiptera: Diaspididae]. 2006. USA: Massachusetts.
- 8985 [ERL 1350] VS Gouli (EHS-344). *Fiorinia externa* [Hemiptera: Diaspididae]. 2006. USA: Massachusetts.

- 8986 [ERL 1497] VS Gouli (EHS-269). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.
- 8987 [ERL 1499] S Gouli (EHS-271). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.
- 8988 [ERL 1502] VS Gouli (EHS-274). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.
- 11842 [ERL 2023] S Gouli and V Gouli (EHS-11-1). *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Harriman State Park, New York.
- 11843 [ERL 2024] S Gouli (EHS-12-1) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11851 [ERL 2032] S Gouli (EHS-11-2) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Love Lane, New Hampshire.

***Metarhizium* sp.**

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 2353 [ARSEF 2382 (never frozen)] MC Rombach (201286-4). [Hemiptera: Cicadellidae]. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 3613 IMI (I91-647). *Hieroglyphus daganensis*. Rec'd 26 Feb 1992. Benin.
- 3615 IMI (I91-672). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Guinea-Bissau.
- 3616 IMI (I91-673). *Diabolocatantops axillaris*. Rec'd 26 Feb 1992. Tchad.
- 3617 IMI (I91-674). *Acrida bicolor*. Rec'd 26 Feb 1992. Tchad.
- 3618 IMI (I91-675). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Mali.
- 3767 DW Roberts ← A Bellotti (9241). 21 Apr 1992. Colombia.
- 4165 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4368 LA Lacey (94118). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4369 LA Lacey (94119). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4370 LA Lacey (94120). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4371 LA Lacey (94121). Soil Galleria. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4372 LA Lacey (94122). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.
- 4373 LA Lacey (94123). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.
- 4374 LA Lacey (94124). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.
- 4375 LA Lacey (94125). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

- 4997 SR Booth (Waara). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 9 May 1995. USA: Cranberry bog, Grayland, Washington.
- 4998 SR Booth (Gant). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 1 Jun 1995. USA: Cranberry bog, Bandon, Oregon.
- 4999 SR Booth (Quinby; MSP). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 9 May 1995. USA: Cranberry bog, Grayland, Washington.
- 5000 SR Booth (Scherer). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 1 Jun 1995. USA: Cranberry bog, Bandon, Oregon.
- 5001 SR Booth (Johnson). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jul 1995. USA: Cranberry bog, Grayland, Washington.
- 5076 SR Booth (Warnock). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 23 Apr 1995. USA: Cranberry bog, Bandon, Oregon.
- 5077 SR Booth (McMahon). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 23 Feb 1995. USA: Cranberry bog, Bandon, Oregon.
- 5139 SR Booth (Dibkey). Soil. 28 Feb 1994. USA: Cranberry bog, Grayland, Washington.
- 6413 EA Ouna (Kutui-4). Rec'd 22 Dec 1999.
- 7389 M Liu (ml193). 17 Dec 2003. USA: Toro Negro, Puerto Rico.
- 7493 [CSIRO FI-1358] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 23 Jul 1999. Laboratory infection.
- 7495 [CSIRO FI-1395] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 27 Dec 1999. Australia: Condong, New South Wales.
- 7497 [CSIRO FI-1408] Isolated from soil. 18 Apr 2000. Raspardis.
- 7643 [SRCAMB VL-271] V Likhovidov. *Agelastica alni* [Coleoptera: Chrysomelidae]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-231.
- 7645 [SRCAMB B-415] V Likhovidov ← BA Borisov. Larva, [Hemiptera: Cicadidae]. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-362.
- 8699 ST Jaronski (GE052). *Calliptamus italicus* [Orthoptera: Catantopidae]. 7 Mar 2006. Republic of Georgia: Sagarejo, Kakheti.
- 8851 [CSIRO FI-1342] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect A4. Jun 1999. Australia: Condong, New South Wales.
- 8852 [CSIRO FI-1345] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 71. Jun 1999. Australia: Condong, New South Wales.
- 8855 [CSIRO FI-1352] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 420. 23 Jul 1999. Australia: Condong, New South Wales.
- 8856 [CSIRO FI-1353] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 334. 23 Jul 1999. Australia: Condong, New South Wales.
- 8857 [CSIRO FI-1354] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 349. 23 Jul 1999. Australia: Condong, New South Wales.
- 9617 DW Roberts (DWR 356). Isolated from soil sample SS 0470. 14 Jun 2006. USA: Flaming Gorge National Recreation Area, Utah. N 40 51.222, W 109 33.964.
- 9618 DW Roberts (DWR 357). Isolated from soil sample SS 0715. 6 Aug 2007. USA: Grant County, North Dakota. N 46 59.052, W 101 30.944.
- 9619 DW Roberts (DWR 358). Isolated from soil sample SS 0520. 14 May 2007. USA: Charlottesville, Virginia.
- 9620 DW Roberts (DWR 364). Isolated from soil sample SS 1070. 2 Aug 2007. USA: Rolette County, North Dakota. N 48.8194, W 100.0704.
- 9621 DW Roberts (DWR 365). Isolated from soil sample SS 1072. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.6036, W 100.6033.
- 9622 DW Roberts (DWR 366). Isolated from soil sample SS 1090. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9718, W 100.777.
- 9623 DW Roberts (DWR 367). Isolated from soil sample SS 1100. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.871, W 100.4677.
- 9624 DW Roberts (DWR 368). Isolated from soil sample SS 1102. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.001, W 100.7072.
- 9625 DW Roberts (DWR 369). Isolated from soil sample SS 1104. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.232, W 100.453.
- 9626 DW Roberts (DWR 379). Isolated from soil sample SS 1082. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.7622, W 101.2995.
- 9627 DW Roberts (DWR 380). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.
- 9628 DW Roberts (DWR 381). Isolated from soil sample SS 1106. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.7698, W 100.4680.
- 9629 DW Roberts (DWR 382). Isolated from soil sample SS 0644. Summer 2007. USA: Dewey County, South Dakota. N 45.1538, W 100.388646.
- 9630 DW Roberts (DWR 383). Isolated from soil sample SS 1072. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.6036, W 100.6033.
- 9631 DW Roberts (DWR 384). Isolated from soil sample SS 1084. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.951, W 101.3027.
- 9632 DW Roberts (DWR 385). Isolated from soil sample SS 1083. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8205, W 100.49503.
- 9633 DW Roberts (DWR 386). Isolated from soil sample SS 1090. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9718, W 100.777.

- 9634 DW Roberts (DWR 387). Isolated from soil sample SS 1094. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.683, W 100.494.
- 9635 DW Roberts (DWR 388). Isolated from soil sample SS 1106. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.7698, W 100.4680.
- 9636 DW Roberts (DWR 389). Isolated from soil sample SS 1153. 28 Sep 2007. USA: Gila County, Arizona. N 33.02294, W 110.73784.
- 9637 DW Roberts (DWR 390). Isolated from soil sample SS 1076. 3 Aug 2007. USA: Lincoln County, Nebraska. N 40.9049, W 100.4918.
- 9638 DW Roberts (DWR 391). Isolated from soil sample SS 1100. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.871, W 100.4677.
- 9639 DW Roberts (DWR 392). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.
- 9640 DW Roberts (DWR 393). Isolated from soil sample SS 1104. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.232, W 100.453.
- 9641 DW Roberts (DWR 456). Isolated from soil sample SS 1025. 20 Aug 2007. USA: Gila County, Arizona. N 34.30316, W 111.35052.
- 9642 DW Roberts (DWR 457). Isolated from soil sample SS 1079. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9663, W 100.67.
- 9643 DW Roberts (DWR 459). Isolated from soil sample SS 1016. 20 Aug 2007. USA: Yavapai County, Arizona. N 34.27512, W 112.26281.
- 9644 DW Roberts (DWR 460). Isolated from soil sample SS 1105. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.029, W 100.452.
- 9645 DW Roberts (DWR 461). Isolated from soil sample SS 1098. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5035, W 100.614.
- 9646 DW Roberts (DWR 462). Isolated from soil sample SS 1103. 6 Aug 2007. USA: McHenry County, North Dakota. N 47.950, W 100.455.
- 9647 DW Roberts (DWR 463). Isolated from soil sample SS 1112. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.1781, W 100.929.
- 9648 DW Roberts (DWR 464). Isolated from soil sample SS 1092. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.82966, W 100.59928.
- 9649 DW Roberts (DWR 465). Isolated from soil sample SS 1086. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8735, W 101.3013.
- 9650 DW Roberts (DWR 471). Isolated from soil sample SS 0744. 6 Aug 2007. USA: Morton County, North Dakota. N 46.55247, W 101.27917.
- 9651 DW Roberts (DWR 472). Isolated from soil sample SS 1154. 28 Sep 2007. USA: Gila County, Arizona. N 33.02332, W 110.73669.
- 9652 DW Roberts (DWR 473). Isolated from soil sample SS 1180. 28 Sep 2007. USA: Gila County, Arizona. N 33.02321, W 110.7371.
- 9653 DW Roberts (DWR 478). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.
- 9654 DW Roberts (DWR 479). Isolated from soil sample SS 1277. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.126, W 111 49.341.
- 9655 DW Roberts (DWR 480). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.
- 9656 DW Roberts (DWR 484). Isolated from soil sample SS 1065a. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.889, W 100.4711.
- 9657 DW Roberts (DWR 485). Isolated from soil sample SS 1065b. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.889, W 100.4711.
- 9658 DW Roberts (DWR 497). Isolated from soil sample SS 1346. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9659 DW Roberts (DWR 498). Isolated from soil sample SS 1362. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9660 DW Roberts (DWR 499). Isolated from soil sample SS 1393. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9661 DW Roberts (DWR 500). Isolated from soil sample SS 3284. 4 Aug 2008. USA: Knox #1, Knox County, Texas.
- 9662 DW Roberts (DWR 501). Isolated from soil sample SS 1331. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9663 DW Roberts (DWR 502). Isolated from soil sample SS 1333. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9664 DW Roberts (DWR 503). Isolated from soil sample SS 1329. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9665 DW Roberts (DWR 504). Isolated from soil sample SS 1336. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9666 DW Roberts (DWR 505). Isolated from soil sample SS 1338. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9667 DW Roberts (DWR 507). Isolated from soil sample SS 1342. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9668 DW Roberts (DWR 508). Isolated from soil sample SS 1363. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9669 DW Roberts (DWR 509). Isolated from soil sample SS 1373. 8 Aug 2008. USA: Loup County, Nebraska.
- 9670 DW Roberts (DWR 510). Isolated from soil sample SS 1374. 8 Aug 2008. USA: Loup County, Nebraska.

- 9671 DW Roberts (DWR 512). Isolated from soil sample SS 1379. 8 Aug 2008. USA: Loup County, Nebraska.
- 9672 DW Roberts (DWR 513). Isolated from soil sample SS 1381. 8 Aug 2008. USA: Loup County, Nebraska.
- 9673 DW Roberts (DWR 514). Isolated from soil sample SS 1385. 8 Aug 2008. USA: Loup County, Nebraska.
- 9674 DW Roberts (DWR 515). Isolated from soil sample SS 1387. 8 Aug 2008. USA: Loup County, Nebraska.
- 9675 DW Roberts (DWR 516). Isolated from soil sample SS 1388. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9676 DW Roberts (DWR 517). Isolated from soil sample SS 1394. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9677 DW Roberts (DWR 518). Isolated from soil sample SS 1361. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9678 DW Roberts (DWR 519). Isolated from soil sample SS 1356. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9679 DW Roberts (DWR 520). Isolated from soil sample SS 1360. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9680 DW Roberts (DWR 521). Isolated from soil sample SS 1349. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9681 DW Roberts (DWR 522). Isolated from soil sample SS 1358. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9682 DW Roberts (DWR 523). Isolated from soil sample SS 1410. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9683 DW Roberts (DWR 524). Isolated from soil sample SS 1417. 8 Aug 2008. USA: Brown County, Nebraska.
- 9684 DW Roberts (DWR 525). Isolated from soil sample SS 1420. 8 Aug 2008. USA: Brown County, Nebraska.
- 9685 DW Roberts (DWR 526). Isolated from soil sample SS 1423. 8 Aug 2008. USA: Brown County, Nebraska.
- 9686 DW Roberts (DWR 529). Isolated from soil sample SS 3536. 28 May 2008. USA: Kit Carson County, Colorado. N 39.51167, W 102.79814.
- 9687 DW Roberts (DWR 534). Isolated from soil sample SS 1428. 8 Aug 2008. USA: Brown County, Nebraska.
- 9688 DW Roberts (DWR 535). Isolated from soil sample SS 4334. 9 Jun 2008. USA: Slope County, North Dakota. N 46.612422, W 103.624825.
- 9689 DW Roberts (DWR 541). Isolated from soil sample SS 1348. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9690 DW Roberts (DWR 542). Isolated from soil sample SS 1344. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9691 DW Roberts (DWR 543). Isolated from soil sample SS 1340. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9692 DW Roberts (DWR 544). Isolated from soil sample SS 1335. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9693 DW Roberts (DWR 545). Isolated from soil sample SS 3531. 27 May 2008. USA: Kit Carson County, Colorado. N 39.25426, W 102.59593.
- 9694 DW Roberts (DWR 546). Isolated from soil sample SS 4264. 20 Aug 2008. USA: Deuel County, Nebraska. N 41.01896, W 102.31688.
- 9695 DW Roberts (DWR 547). Isolated from soil sample SS 4298. 25 Aug 2008. USA: Kimball County, Nebraska. N 41.03109, W 103.58331.
- 9696 DW Roberts (DWR 550). Isolated from soil sample SS 5196. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.55949, W 100.1801.
- 9697 DW Roberts (DWR 572). Isolated from soil sample SS 1591. 13 Aug 2008. USA: Grant County, Nebraska. N 41.962825, W 101.5065883.
- 9698 DW Roberts (DWR 573). Isolated from soil sample SS 1613. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.874645, W 100.55963.
- 9699 DW Roberts (DWR 574). Isolated from soil sample SS 4159. 11 Aug 2008. USA: Lake County, Oregon. N 43.065365, W 120.94326.
- 9700 DW Roberts (DWR 575). Isolated from soil sample SS 3231. 14 Aug 2008. USA: Custer County, Nebraska. N 41.6032, W 99.368.
- 9701 DW Roberts (DWR 576). Isolated from soil sample SS 4919. 16 Jun 2008. USA: McKenzie County, North Dakota. N 47.45426, W 103.3229816.
- 9702 DW Roberts (DWR 577). Isolated from soil sample SS 4910. 20 Jun 2008. USA: Cavalier County, North Dakota. N 48.87706, W 98.44704.
- 9703 DW Roberts (DWR 578). Isolated from soil sample SS 3162. 20 Aug 2008. USA: Ferry County, Washington. N 48.85187, W 118.57246.
- 9704 DW Roberts (DWR 579). Isolated from soil sample SS 3157. 20 Aug 2008. USA: Ferry County, Washington. N 48.33129, W 118.22768.
- 9705 DW Roberts (DWR 580). Isolated from soil sample SS 4898. 20 Aug 2008. USA: McHenry County, North Dakota. N 47.96483, W 100.75755.
- 9706 DW Roberts (DWR 581). Isolated from soil sample SS 5088. 21 May 2008. USA: Dawes County, Nebraska. N 42.53034, W 103.435115.
- 9707 DW Roberts (DWR 582). Isolated from soil sample SS 4896. 12 Jun 2008. USA: Bottineau County, North Dakota. N 48.82642, W 100.43565.
- 9708 DW Roberts (DWR 587). Isolated from soil sample SS 1565. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.5833, W 99.7362.
- 9709 DW Roberts (DWR 588). Isolated from soil sample SS 1588. 13 Aug 2008. USA: Grant County, Nebraska. N 42.00765, W 101.692933.
- 9710 DW Roberts (DWR 589). Isolated from soil sample SS 1601. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.952882, W 100.825563.

- 9711 DW Roberts (DWR 590). Isolated from soil sample SS 1596. 13 Aug 2008. USA: Grant County, Nebraska. N 41.865396, W 101.504183.
- 9712 DW Roberts (DWR 591). Isolated from soil sample SS 1595. 13 Aug 2008. USA: Grant County, Nebraska. N 42.057075, W 101.77683.
- 9713 DW Roberts (DWR 592). Isolated from soil sample SS 1608. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.821448, W 100.822816.
- 9714 DW Roberts (DWR 593). Isolated from soil sample SS 1566. 13 Aug 2008. USA: Hooker County, Nebraska. N 42.044426, W 101.117968.
- 9715 DW Roberts (DWR 594). Isolated from soil sample SS 1593. 13 Aug 2008. USA: Grant County, Nebraska. N 42.065413, W 101.530276.
- 9716 DW Roberts (DWR 595). Isolated from soil sample SS 1594. 13 Aug 2008. USA: Grant County, Nebraska. N 42.027168, W 101.533728.
- 9717 DW Roberts (DWR 596). Isolated from soil sample SS 1586. 13 Aug 2008. USA: Grant County, Nebraska. N 41.826025, W 101.760582.
- 9718 DW Roberts (DWR 597). Isolated from soil sample SS 2182. 12 Aug 2008. USA: Keya Paha County, Nebraska.
- 9719 DW Roberts (DWR 598). Isolated from soil sample SS 2191. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9720 DW Roberts (DWR 599A). Isolated from soil sample SS 2186. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9721 DW Roberts (DWR 599B). Isolated from soil sample SS 2185. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9722 DW Roberts (DWR 600A). Isolated from soil sample SS 2201. 18 Aug 2008. USA: Lincoln County, Nebraska. N 40.87299, W 100.74817.
- 9723 DW Roberts (DWR 600B). Isolated from soil sample SS 1573. 13 Aug 2008. USA: Hooker County, Nebraska. N 42.036406, W 101.363095.
- 9724 DW Roberts (DWR 601). Isolated from soil sample SS 1619. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.821975, W 100.64611.
- 9725 DW Roberts (DWR 602). Isolated from soil sample SS 1615. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.88955, W 100.620578.
- 9726 DW Roberts (DWR 603). Isolated from soil sample SS 3164, colony 1. 19 Aug 2008. USA: Pend Oreille County, Washington. N 48.2942, W 117.3212.
- 9727 DW Roberts (DWR 604). Isolated from soil sample SS 3164, colony 2. 19 Aug 2008. USA: Pend Oreille County, Washington. N 48.2942, W 117.3212.
- 9728 DW Roberts (DWR 605). Isolated from soil sample SS 3168. 22 Aug 2008. USA: Columbia County, Washington. N 46.5231, W 118.1798.
- 9729 DW Roberts (DWR 619). Isolated from soil sample SS 4206. 22 May 2008. USA: Gilliam County, Oregon. N 45.720393, W 120.03681.
- 9730 DW Roberts (DWR 620). Isolated from soil sample SS 4911. 16 Jun 2008. USA: Cavalier County, North Dakota. N 48.7757, W 98.47257.
- 9731 DW Roberts (DWR 621). Isolated from soil sample SS 1480. Jul 2008. USA: Garfield County, Washington. N 46.60686, W 117.70329.
- 9732 DW Roberts (DWR 632). Isolated from soil sample SS 3198. 13 Aug 2008. USA: Stevens County, Washington. N 47.9277, W 118.3314.
- 9733 DW Roberts (DWR 633). Isolated from soil sample SS 5165. 9 Jul 2008. USA: Banner County, Nebraska. N 41.690865, W 103.77482.
- 9734 DW Roberts (DWR 634). Isolated from soil sample SS 5162. 9 Jul 2008. USA: Banner County, Nebraska. N 41.42244, W 103.7332.
- 9735 DW Roberts (DWR 635). Isolated from soil sample SS 5161. 9 Jul 2008. USA: Banner County, Nebraska. N 41.422255, W 103.90616.
- 9736 DW Roberts (DWR 636). Isolated from soil sample SS 5173. 14 Jul 2008. USA: Sioux County, Nebraska. N 42.19941, W 103.65938.
- 9737 DW Roberts (DWR 637). Isolated from soil sample SS 5126. 8 Jul 2008. USA: Scotts Bluff County, Nebraska. N 41.900395, W 103.96573.
- 9738 DW Roberts (DWR 638). Isolated from soil sample SS 5125, colony 1. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.94702, W 102.805535.
- 9739 DW Roberts (DWR 639). Isolated from soil sample SS 5125, colony 2. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.94702, W 102.805535.
- 9740 DW Roberts (DWR 640). Isolated from soil sample SS 1675. 14 Aug 2008. USA: Howard County, Nebraska. N 41.0758, W 98.4988.
- 9741 DW Roberts (DWR 641). Isolated from soil sample SS 5260. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.623, W 100.18025.
- 9742 DW Roberts (DWR 642). Isolated from soil sample SS 1476. 16 Jul 2008. USA: Walla Walla County, Washington. N 46.37046, W 118.61125.
- 9743 DW Roberts (DWR 643). Isolated from soil sample SS 1552. 30 Jun 2008. USA: Grant County, Washington. N 47.86587, W 119.08509.
- 9744 DW Roberts (DWR 655). Isolated from soil sample SS 3193. 13 Aug 2008. USA: Stevens County, Washington. N 48.6667, W 117.9522.
- 9745 DW Roberts (DWR 656). Isolated from soil sample SS 5131. 7 Jul 2008. USA: Box Butte County, Nebraska. N 42.268725, W 103.3067.
- 9746 DW Roberts (DWR 657). Isolated from soil sample SS 3274. 13 Aug 2008. USA: Custer County, Nebraska. N 41.5787, W 99.8981.

- 9747 DW Roberts (DWR 658). Isolated from soil sample SS 1701. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.28473, W 101.56906.
- 9748 DW Roberts (DWR 659). Isolated from soil sample SS 7854. 10 Jun 2008. USA: Sanders, Montana.
- 9749 DW Roberts (DWR 660). Isolated from soil sample SS 3200. 13 Aug 2008. USA: Stevens County, Washington. N 48.6906, W 118.0891.
- 9750 DW Roberts (DWR 669). Isolated from soil sample SS 1700. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.27132, W 101.70121.
- 9751 DW Roberts (DWR 670). Isolated from soil sample SS 3401. 23 Jul 2008. USA: WB-27, Oregon.
- 9752 DW Roberts (DWR 692). Isolated from soil sample SS 5360. 25 Jun 2008. USA: Meade County, South Dakota. N 44.645871, W 102.803646.
- 9753 DW Roberts (DWR 693). Isolated from soil sample SS 5384. 9 Jun 2008. USA: Haakon County, South Dakota. N 44.373687, W 101.318395.
- 9754 DW Roberts (DWR 694). Isolated from soil sample SS 7869. 25 Jun 2008. USA: Lake County, Montana.
- 9755 DW Roberts (DWR 695). Laboratory isolate from sector of DWR 604 (=ARSEF 9727). Rec'd 23 Feb 2010.
- 9756 DW Roberts (DWR 696). Laboratory isolate from sector of DWR 522, ARSEF 9681. Rec'd 23 Feb 2010.
- 9757 DW Roberts (DWR 697). Isolated from soil sample SS 3727. 24 Jun 2008. USA: El Paso County, Colorado. N 38.93254, W 104.47892.
- 9758 DW Roberts (DWR 712). Isolated from soil sample SS 5278, colony 1. 11 Jun 2008. USA: Tripp County, South Dakota. N 43.2273, W 100.07745.
- 9759 DW Roberts (DWR 713). Isolated from soil sample SS 5278, colony 2. 25 Jun 2008. USA: Tripp County, South Dakota. N 43.2273, W 100.07745.
- 9760 DW Roberts (DWR 714). Isolated from soil sample SS 4408, colony 1. 5 Jun 2008. USA: McKenzie County, North Dakota. N 47.396308, W 103.792566.
- 9761 DW Roberts (DWR 715). Isolated from soil sample SS 4408, colony 2. 5 Jun 2008. USA: McKenzie County, North Dakota. N 47.396308, W 103.792566.
- 9762 DW Roberts (DWR 716). Isolated from soil sample SS 4562. 19 Jun 2008. USA: Childress County, Texas. N 34.61709, W 100.22923.
- 9763 DW Roberts (DWR 741). Isolated from soil sample SS 3906. 3 Jul 2008. USA: Elbert County, Colorado. N 39.56473, W 104.53163.
- 9764 DW Roberts (DWR 742). Isolated from soil sample SS 3941. 10 Jul 2008. USA: Park County, Colorado. N 38.83554, W 105.634.
- 9765 DW Roberts (DWR 758). Isolated from soil sample SS 2788. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.
- 9766 DW Roberts (DWR 759). Isolated from soil sample SS 2787. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.
- 9767 DW Roberts (DWR 760). Isolated from soil sample SS 2789. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.
- 9768 DW Roberts (DWR 761). Isolated from soil sample SS 8796. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.393073, W 104.599656.
- 9769 DW Roberts (DWR 762). Isolated from soil sample SS 8797. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.462466, W 104.589846.
- 9770 DW Roberts (DWR 763). Isolated from soil sample SS 8794. 10 Jun 2008. USA: Pueblo County, Colorado. N 37.968083, W 104.187966.
- 9771 DW Roberts (DWR 764). Isolated from soil sample SS 8793. 10 Jun 2008. USA: Pueblo County, Colorado. N 37.925448, W 104.132711.
- 9772 DW Roberts (DWR 765). Isolated from soil sample SS 8786. 10 Jun 2008. USA: Otero County, Colorado. N 37.823345, W 103.771361.
- 9773 DW Roberts (DWR 766). Isolated from soil sample SS 8784. 10 Jun 2008. USA: Otero County, Colorado. N 37.822876, W 103.620225.
- 9774 DW Roberts (DWR 767). Isolated from soil sample SS 8791. 10 Jun 2008. USA: Otero County, Colorado. N 37.900196, W 103.876408.
- 9775 DW Roberts (DWR 768). Isolated from soil sample SS 8795. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.330548, W 104.60265.
- 9776 DW Roberts (DWR 793). Isolated from soil sample SS 2018. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.4877, W 99.9251.
- 9777 DW Roberts (DWR 794). Isolated from soil sample SS 2000. 11 Jun 2008. USA: Lincoln County, Nebraska. N 41.29323, W 100.84752.
- 9778 DW Roberts (DWR 795). Isolated from soil sample SS 1914. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.57032, W 100.51155.
- 9779 DW Roberts (DWR 796). Isolated from soil sample SS 4639. 3 Jun 2008. USA: Schleicher County, Texas. N 31.04374, W 100.80695.
- 9780 DW Roberts (DWR 797). Isolated from soil sample SS 2083. 13 Aug 2008. USA: Brown County, Nebraska.
- 9781 DW Roberts (DWR 798). Isolated from soil sample SS 2097. 13 Aug 2008. USA: Brown County, Nebraska.
- 9782 DW Roberts (DWR 799). Isolated from soil sample SS 2002. 7 Aug 2008. USA: Lincoln County, Nebraska. N 41.38876, W 100.87933.
- 9783 DW Roberts (DWR 800). Isolated from soil sample SS 2001. 7 Aug 2008. USA: Lincoln County, Nebraska. N 41.27452, W 100.81027.

- 9784 DW Roberts (DWR 801). Isolated from soil sample SS 2147. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9785 DW Roberts (DWR 802). Isolated from soil sample SS 2160. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9786 DW Roberts (DWR 803). Isolated from soil sample SS 2166. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9787 DW Roberts (DWR 804). Isolated from soil sample SS 1993. 6 Aug 2008. USA: Lincoln County, Nebraska. N 40.84353, W 100.84871.
- 9788 DW Roberts (DWR 805). Isolated from soil sample SS 1881. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.23282, W 101.56141.
- 9789 DW Roberts (DWR 806). Isolated from soil sample SS 2010. 13 Aug 2008. USA: Hamilton County, Nebraska. N 40.9935, W 98.0458.
- 9790 DW Roberts (DWR 807). Isolated from soil sample SS 2108. 13 Aug 2008. USA: Rock County, Nebraska.
- 9791 DW Roberts (DWR 818). Isolated from soil sample SS 1829. 28 Jul 2008. USA: Garden County, Nebraska. N 41.88721, W 102.083568.
- 9792 DW Roberts (DWR 819). Isolated from soil sample SS 1848. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9793 DW Roberts (DWR 820). Isolated from soil sample SS 1818. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9794 DW Roberts (DWR 821). Isolated from soil sample SS 1762. 8 Jul 2008. USA: Logan County, Nebraska. N 41.618643, W 100.255386.
- 9795 DW Roberts (DWR 822). Isolated from soil sample SS 1784. 8 Jul 2008. USA: Logan County, Nebraska. N 41.656796, W 100.482788.
- 9796 DW Roberts (DWR 823). Isolated from soil sample SS 1757. 8 Jul 2008. USA: Logan County, Nebraska. N 41.625518, W 100.560606.
- 9797 DW Roberts (DWR 824). Isolated from soil sample SS 1822. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9798 DW Roberts (DWR 825). Isolated from soil sample SS 1976. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.29233, W 100.56179.
- 9799 DW Roberts (DWR 826). Isolated from soil sample SS 1961. 30 Jul 2008. USA: Lincoln County, Nebraska. N 40.72197, W 101.04701.
- 9800 DW Roberts (DWR 827). Isolated from soil sample SS 1978. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.14745, W 100.34356.
- 9801 DW Roberts (DWR 828). Isolated from soil sample SS 1980. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.27886, W 100.25481.
- 9802 DW Roberts (DWR 829). Isolated from soil sample SS 1971. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.1617, W 100.52449.
- 9803 DW Roberts (DWR 830). Isolated from soil sample SS 1979. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.20653, W 100.63889.
- 9804 DW Roberts (DWR 831). Isolated from soil sample SS 1817. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9805 DW Roberts (DWR 832). Isolated from soil sample SS 1849. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9806 DW Roberts (DWR 833). Isolated from soil sample SS 1821. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9807 DW Roberts (DWR 834). Isolated from soil sample SS 1824. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9808 DW Roberts (DWR 835). Isolated from soil sample SS 1837. 28 Jul 2008. USA: Garden County, Nebraska. N 41.745232, W 102.09816.
- 9809 DW Roberts (DWR 836). Isolated from soil sample SS 1761. 8 Jul 2008. USA: Logan County, Nebraska. N 41.663922, W 100.58301.
- 9810 DW Roberts (DWR 837). Isolated from soil sample SS 1768. 9 Jul 2008. USA: Logan County, Nebraska. N 41.509798, W 100.50321.
- 9811 DW Roberts (DWR 838). Isolated from soil sample SS 1767. 9 Jul 2008. USA: Logan County, Nebraska. N 41.499958, W 100.65601.
- 9812 DW Roberts (DWR 839). Isolated from soil sample SS 1861. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9813 DW Roberts (DWR 840). Isolated from soil sample SS 1764. 9 Jul 2008. USA: Logan County, Nebraska. N 41.60121, W 100.48712.
- 9814 DW Roberts (DWR 841). Isolated from soil sample SS 1796. 10 Jul 2008. USA: Garden County, Nebraska. N 41.496972, W 102.16906.
- 9815 DW Roberts (DWR 842). Isolated from soil sample SS 1794. Jul 2008. USA: Garden County, Nebraska. N 41.45043, W 102.53968.
- 9816 DW Roberts (DWR 843). Isolated from soil sample SS 1807. 10 Jul 2008. USA: Garden County, Nebraska. N 41.57408, W 101.98632.
- 9817 DW Roberts (DWR 844). Isolated from soil sample SS 5017. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.9084, W 100.9028.
- 9818 DW Roberts (DWR 845). Isolated from soil sample SS 1770, colony 1. 9 Jul 2008. USA: Logan County, Nebraska. N 41.401728, W 100.71314.
- 9819 DW Roberts (DWR 846). Isolated from soil sample SS 1770, colony 2. 9 Jul 2008. USA: Logan County, Nebraska. N 41.401728, W 100.71314.
- 9820 DW Roberts (DWR 847). Isolated from soil sample SS 2156. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9821 DW Roberts (DWR 848). Isolated from soil sample SS 2158. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9822 DW Roberts (DWR 849). Isolated from soil sample SS 2127. 13 Aug 2008. USA: Rock County, Nebraska.

- 9823 DW Roberts (DWR 850). Isolated from soil sample SS 1880. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.06474, W 101.92653.
- 9824 DW Roberts (DWR 851). Isolated from soil sample SS 1891. 17 Jul 2008. USA: Keith County, Nebraska. N 41.1096, W 101.42634.
- 9825 DW Roberts (DWR 852). Isolated from soil sample SS 2124. 13 Aug 2008. USA: Rock County, Nebraska.
- 9826 DW Roberts (DWR 853). Isolated from soil sample SS 2178. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9827 DW Roberts (DWR 866). Isolated from soil sample SS 4709. 9 Jul 2008. USA: Sherman County, Texas. N 36.36449, W 101.82351.
- 9828 DW Roberts (DWR 867). Isolated from soil sample SS 5007, colony 1. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.7629, W 101.05992.
- 9829 DW Roberts (DWR 868). Isolated from soil sample SS 5007, colony 2. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.7629, W 101.05992.
- 9830 DW Roberts (DWR 869). Isolated from soil sample SS 4735. 9 Jun 2008. USA: Scurry County, Texas. N 32.58142, W 100.7636.
- 9831 DW Roberts (DWR 870). Isolated from soil sample SS 5009. 20 Jun 2008. USA: Rolette County, North Dakota. N 48.89218, W 99.61078.
- 9832 DW Roberts (DWR 871). Isolated from soil sample SS 5013. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.82803, W 100.53342.
- 9833 DW Roberts (DWR 872). Isolated from soil sample SS 5002. 20 Jun 2008. USA: McHenry County, North Dakota. N 47.94912, W 100.5646.
- 9834 DW Roberts (DWR 873). Isolated from soil sample SS 5011. 20 Jun 2008. USA: McHenry County, North Dakota. N 48.4176, W 100.5044.
- 9835 DW Roberts (DWR 880). Isolated from soil sample SS 6887. 5 Jun 2008. USA: Box Elder County, Utah. N 41.5381, W 112.2945.
- 9836 DW Roberts (DWR 881). Isolated from soil sample SS 5434. 16 Jun 2008. USA: Ziebach County, South Dakota. N 44.856118, W 101.62287.
- 9837 DW Roberts (DWR 882). Isolated from soil sample SS 7545. 5 Aug 2008. USA: Kane County, Utah. N 37.3035, W 112.5307.
- 9838 DW Roberts (DWR 900). Isolated from soil sample SS 5001. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.6322, W 100.49775.
- 9839 DW Roberts (DWR 911). Isolated from soil sample SS 6096. Jul 2008. USA: Dale Widhalm, Nebraska. N 42.498915, W 103.06709.
- 9840 DW Roberts (DWR 912). Isolated from soil sample SS 5754. 9 Jun 2008. USA: Shannon County, South Dakota. N 43.329085, W 102.18772.
- 9841 DW Roberts (DWR 913). Isolated from soil sample SS 5709. 17 Jun 2008. USA: Bennett County, South Dakota. N 43.1035, W 101.4565.
- 9842 DW Roberts (DWR 914). Isolated from soil sample SS 4840, colony 1. 11 Aug 2008. USA: Cheyenne, Wyoming. N 41.591662, W 104.82588.
- 9843 DW Roberts (DWR 915). Isolated from soil sample SS 4840, colony 2. 11 Aug 2008. USA: Cheyenne, Wyoming. N 41.591662, W 104.82588.
- 9844 DW Roberts (DWR 916). Isolated from soil sample SS 4998. 19 Jun 2008. USA: Bottineau County, North Dakota. N 48.8768, W 100.5499.
- 9845 DW Roberts (DWR 917). Isolated from soil sample SS 5033. 16 Jun 2008. USA: KM007, North Dakota.
- 9846 DW Roberts (DWR 918). Isolated from soil sample SS 5810. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.4999, W 100.15615.
- 9847 DW Roberts (DWR 919). Isolated from soil sample SS 5823. 10 Jun 2008. USA: Tripp County, South Dakota. N 43.11112, W 99.63258.
- 9848 DW Roberts (DWR 920). Isolated from soil sample SS 5797. 25 Jun 2008. USA: Todd County, South Dakota. N 43.031315, W 100.82642.
- 9849 DW Roberts (DWR 940). Isolated from soil sample SS 6157, colony 1. 19 Aug 2008. USA: Dale Widhalm, Nebraska. N 42.91601, W 102.23549.
- 9850 DW Roberts (DWR 941). Isolated from soil sample SS 6157, colony 2. 19 Aug 2008. USA: Dale Widhalm, Nebraska. N 42.91601, W 102.23549.
- 9851 DW Roberts (DWR 942). Isolated from soil sample SS 6025. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.769015, W 102.77199.
- 9852 DW Roberts (DWR 1145). Isolated from soil sample SS 8234. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.947793, W 101.15769.
- 9853 DW Roberts (DWR 1146). Isolated from soil sample SS 8235. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.938688, W 101.16618.
- 9854 DW Roberts (DWR 1147). Isolated from soil sample SS 8139. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.554742, W 101.13753.
- 9855 DW Roberts (DWR 1148). Isolated from soil sample SS 8178. 2 Sep 2008. USA: Cherry County, Nebraska. N 42.392913, W 102.02336.
- 9856 DW Roberts (DWR 1149). Isolated from soil sample SS 8241. 11 Aug 2008. USA: Hooker County, Nebraska. N 42.065106, W 101.22523.
- 9857 DW Roberts (DWR 1150). Isolated from soil sample SS 8244. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.43899, W 101.29071.
- 9858 DW Roberts (DWR 1151). Isolated from soil sample SS 8246. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.50433, W 101.30459.
- 9859 DW Roberts (DWR 1152). Isolated from soil sample SS 8247. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.712238, W 101.04815.
- 9860 DW Roberts (DWR 1153). Isolated from soil sample SS 8251. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.622606, W 101.01916.

- 9861 DW Roberts (DWR 1154). Isolated from soil sample SS 8254. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.40625, W 100.88149.
- 9862 DW Roberts (DWR 1155). Isolated from soil sample SS 8258. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.590482, W 100.76789.
- 9863 DW Roberts (DWR 1156). Isolated from soil sample SS 8264. Aug 2008. USA: Arthur County, Nebraska. N 41.546803, W 101.71407.
- 9864 DW Roberts (DWR 1157). Isolated from soil sample SS 8266. Aug 2008. USA: Arthur County, Nebraska. N 41.46896, W 101.71834.
- 9865 DW Roberts (DWR 1158). Isolated from soil sample SS 8267. Aug 2008. USA: Arthur County, Nebraska. N 41.51462, W 101.6547.
- 9866 DW Roberts (DWR 1159). Isolated from soil sample SS 8269. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.49292, W 100.96312.
- 9867 DW Roberts (DWR 1160). Isolated from soil sample SS 8271. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.6699, W 101.26817.
- 9868 DW Roberts (DWR 1161). Isolated from soil sample SS 8253, colony 1. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9869 DW Roberts (DWR 1162). Isolated from soil sample SS 8253, colony 2. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9870 DW Roberts (DWR 1163). Isolated from soil sample SS 8253, colony 3. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9871 DW Roberts (DWR 1164). Isolated from soil sample SS 8253, colony 4. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9872 DW Roberts (DWR 1165). Isolated from soil sample SS 8253, colony 5. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9873 DW Roberts (DWR 1166). Isolated from soil sample SS 8253, colony 6. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9874 DW Roberts (DWR 1180). Isolated from soil sample SS 8218. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.960753, W 100.91898.
- 9875 DW Roberts (DWR 1181). Isolated from soil sample SS 8222. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.865045, W 100.95781.
- 9876 DW Roberts (DWR 1182). Isolated from soil sample SS 8225. 7 Aug 2008. USA: Grant County, Nebraska. N 41.742956, W 101.85894.
- 9877 DW Roberts (DWR 1183). Isolated from soil sample SS 8228. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.996628, W 101.15073.
- 9878 DW Roberts (DWR 1184). Isolated from soil sample SS 8236. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.757416, W 101.37261.
- 9879 DW Roberts (DWR 1239). Isolated from soil sample SS 7552. 6 Aug 2008. USA: Garfield County, Utah. N 38.0259, W 111.5806.
- 9880 DW Roberts (DWR 1240). Isolated from soil sample SS 8103. 24 Jul 2008. USA: McCone County, Montana. N 47.49494, W 106.16025.
- 9881 DW Roberts (DWR 1241). Laboratory isolate from sector of DWR 850 (=ARSEF 9823). Rec'd 23 Feb 2010.
- 9882 DW Roberts (DWR 1242). Laboratory isolate from sector of DWR 852 (=ARSEF 9825). Rec'd 23 Feb 2010.
- 9883 DW Roberts (DWR 1243). Laboratory isolate from sector of DWR 882 (=ARSEF 9837). Rec'd 23 Feb 2010.
- 9884 DW Roberts (DWR 1244). Laboratory isolate from sector of DWR 900 (=ARSEF 9838). Rec'd 23 Feb 2010.
- 9885 DW Roberts (DWR 1245). Isolated from soil sample SS 9210. 5 Sep 2008. USA: Rio Blanco County, Colorado. N 40.054117, W 107.52914.
- 9886 DW Roberts (DWR 1246). Isolated from soil sample SS 9162. 10 Jun 2008. USA: Garfield County, Colorado. N 39.5094, W 108.5523.
- 9946 DW Roberts (DWR 1247). Isolated from soil sample SS 11293. 5 May 2009. USA: Owyhee County, Idaho. N 42.77266, W 116.22753.
- 9947 DW Roberts (DWR 1248). Isolated from soil sample SS 7425. 17 Jun 2008. USA: Kane County, Utah. N 37.2331, W 111.5058.
- 9948 DW Roberts (DWR 1249). Isolated from soil sample SS 11283. 22 Apr 2009. USA: Ada County, Idaho. N 43.591977, W 116.29609.
- 9949 DW Roberts (DWR 1250). Isolated from soil sample SS 11282. 22 Apr 2009. USA: Ada County, Idaho. N 43.606707, W 116.29985.
- 9950 DW Roberts (DWR 1251). Isolated from soil sample SS 8873. 9 Jul 2008. USA: Kit Carson County, Colorado. N 39.533371, W 102.3518.
- 9951 DW Roberts (DWR 1252). Isolated from soil sample SS 8830. 7 Jul 2008. USA: Custer County, Colorado. N 38.242365, W 105.60512.
- 9952 DW Roberts (DWR 1253). Isolated from soil sample SS 8871, colony 1. 9 Jul 2008. USA: Yuma County, Colorado. N 39.657776, W 102.34647.
- 9953 DW Roberts (DWR 1254). Isolated from soil sample SS 8871, colony 2. 9 Jul 2008. USA: Yuma County, Colorado. N 39.657776, W 102.34647.
- 9954 DW Roberts (DWR 1255). Isolated from soil sample SS 8829, colony 1. 6 Jul 2008. USA: Custer County, Colorado. N 38.186258, W 105.48395.
- 9955 DW Roberts (DWR 1256). Isolated from soil sample SS 8829, colony 2. 6 Jul 2008. USA: Custer County, Colorado. N 38.186258, W 105.48395.

- 9956 DW Roberts (DWR 1280). Isolated from soil sample SS 11295. May 2009. USA: Ada County, Idaho. N 43.673185, W 116.09569.
- 9957 DW Roberts (DWR 1281). Isolated from soil sample SS 9008. 30 Jun 2008. USA: Yuma County, Colorado. N 40.322455, W 102.47124.
- 9958 DW Roberts (DWR 1282). Isolated from soil sample SS 9012. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.498728, W 102.62044.
- 9959 DW Roberts (DWR 1283). Isolated from soil sample SS 9015. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.577521, W 102.43525.
- 9960 DW Roberts (DWR 1284). Isolated from soil sample SS 9219. 14 Sep 2008. USA: Moffat County, Colorado. N 40.75813, W 108.13102.
- 9961 DW Roberts (DWR 1285). Isolated from soil sample SS 9240. 16 Jun 2008. USA: Routt County, Colorado. N 40.757398, W 106.96398.
- 9962 DW Roberts (DWR 1286). Isolated from soil sample SS 9312. Jul 2008. USA: Routt County, Colorado. N 40.526025, W 107.42595.
- 9963 DW Roberts (DWR 1287). Isolated from soil sample SS 9371. 10 Jul 2008. USA: Rio Blanco County, Colorado. N 39.9191, W 108.1981.
- 9964 DW Roberts (DWR 1288). Isolated from soil sample SS 9509. 10 Jul 2008. USA: Montezuma County, Colorado. N 37.302205, W 108.64121.
- 9965 DW Roberts (DWR 1289). Isolated from soil sample SS 11268. 24 Apr 2009. USA: San Carlos, Arizona. N 33.19364, W 109.87296.
- 9966 DW Roberts (DWR 1290). Isolated from soil sample SS 11352. 21 May 2009. USA: Dawson County, Texas. N 32.75586, W 101.81042.
- 9967 DW Roberts (DWR 1291). Isolated from soil sample SS 11354. 21 May 2009. USA: Dawson County, Texas. N 32.84218, W 102.10146.
- 9968 DW Roberts (DWR 1292). Isolated from soil sample SS 11364. 18 May 2009. USA: Lamb County, Texas. N 34.15683, W 102.51517.
- 9969 DW Roberts (DWR 1293). Isolated from soil sample SS 9092, colony 1. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.11362, W 108.39393.
- 9970 DW Roberts (DWR 1294). Isolated from soil sample SS 9092, colony 2. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.11362, W 108.39393.
- 9971 DW Roberts (DWR 1295). Isolated from soil sample SS 9438. 27 Jun 2008. USA: El Paso County, Colorado. N 38.974117, W 104.83964.
- 9972 DW Roberts (DWR 1296). Isolated from soil sample SS 9367. 3 Jul 2008. USA: Gunnison County, Colorado. N 38.45035, W 107.33075.
- 9973 DW Roberts (DWR 1297). Isolated from soil sample SS 9425. 25 Jun 2008. USA: Fremont County, Colorado. N 38.371452, W 104.95982.
- 9974 DW Roberts (DWR 1310). Isolated from soil sample SS 9490. 27 May 2008. USA: Montezuma County, Colorado. N 37.4159, W 108.41041.
- 9975 DW Roberts (DWR 1324). Isolated from soil sample SS 11418. 28 May 2009. USA: Hall County, Texas. N 34.49323, W 100.77875.
- 9976 DW Roberts (DWR 1325). Isolated from soil sample SS 11454. 9 Jun 2009. USA: Logan, Utah.
- 9977 DW Roberts (DWR 1326). Isolated from soil sample SS 11457. 9 Jun 2009. USA: Logan, Utah.
- 9978 DW Roberts (DWR 1327). Isolated from soil sample SS 9443. 27 May 2008. USA: Montezuma County, Colorado. N 37.36007, W 108.53522.
- 9979 DW Roberts (DWR 1337). Isolated from soil sample SS 9659. 27 Aug 2008. USA: Routt County, Colorado. N 40.53094, W 106.78185.
- 9980 DW Roberts (DWR 1338). Isolated from soil sample SS 11642. 20 May 2009. USA: Elko County, Nevada. N 41.619382, W 116.12888.
- 9981 DW Roberts (DWR 1344). Isolated from soil sample SS 9768. 19 May 2008. USA: Flathead County, Montana.
- 9982 DW Roberts (DWR 1345). Isolated from soil sample SS 9788. 2 Jun 2008. USA: Lake County, Montana.
- 9983 DW Roberts (DWR 1346). Isolated from soil sample SS 9791. 5 Jun 2008. USA: Lake County, Montana.
- 9984 DW Roberts (DWR 1347). Isolated from soil sample SS 8494. 8 Jun 2008. USA: Lincoln County, Colorado. N 38.806141, W 103.27433.
- 9985 DW Roberts (DWR 1361). Isolated from soil sample SS 11974. 8 Jun 2009. USA: Piute County, Utah. N 38.4064, W 112.2541.
- 9986 DW Roberts (DWR 1362). Isolated from soil sample SS 8307. 21 Aug 2008. USA: Arthur County, Nebraska. N 41.496172, W 101.92478.
- 9987 DW Roberts (DWR 1374). Isolated from soil sample SS 8510. 2 Jun 2008. USA: Otero County, Colorado. N 37.878558, W 103.52731.
- 9988 DW Roberts (DWR 1375). Isolated from soil sample SS 8491. 8 Jun 2008. USA: Lincoln County, Colorado. N 38.878685, W 103.4237.
- 9989 DW Roberts (DWR 1376). Isolated from soil sample SS 8786. 10 Jun 2008. USA: Otero County, Colorado. N 37.823345, W 103.77136.
- 9990 DW Roberts (DWR 1377). Isolated from soil sample SS 8428. 4 Jun 2008. USA: Baca County, Colorado. N 37.549681, W 102.40117.
- 9991 DW Roberts (DWR 1378). Isolated from soil sample SS 8446. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.281875, W 102.61859.
- 9992 DW Roberts (DWR 1379). Isolated from soil sample SS 8445. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.354065, W 102.61896.

- 9993 DW Roberts (DWR 1380). Isolated from soil sample SS 8707. 7 Jul 2008. USA: Yuma County, Colorado. N 39.946951, W 102.46771.
- 9994 DW Roberts (DWR 1381). Isolated from soil sample SS 8426. 4 Jun 2008. USA: Prowers County, Colorado. N 37.672625, W 102.52934.
- 9995 DW Roberts (DWR 1382). Isolated from soil sample SS 8424. 4 Jun 2008. USA: Prowers County, Colorado. N 37.767233, W 102.54751.
- 9996 DW Roberts (DWR 1387). Isolated from soil sample SS 8538. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.463823, W 102.19764.
- 9997 DW Roberts (DWR 1395). Isolated from soil sample SS 8539. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.499155, W 102.32726.
- 9998 DW Roberts (DWR 1399). Isolated from soil sample SS 11485. 6 May 2009. USA: Duchesne County, Utah. N 40.2356, W 110.2345.
- 9999 DW Roberts (DWR 1408). Isolated from soil sample SS 9823. 3 Jun 2008. USA: Montana.
- 10001 DW Roberts (DWR 1409). Isolated from soil sample SS 9888. 14 Oct 2008. USA: Keya Paha County, Nebraska.
- 10002 DW Roberts (DWR 1410). Isolated from soil sample SS 9878. 14 Oct 2008. USA: Cherry County, Nebraska.
- 10003 DW Roberts (DWR 1411). Isolated from soil sample SS 9853. 14 Oct 2008. USA: Holt County, Nebraska.
- 10004 DW Roberts (DWR 1412). Isolated from soil sample SS 8762. 14 Jul 2008. USA: Las Animas County, Colorado. N 37.191093, W 104.81278.
- 10005 DW Roberts (DWR 1413). Isolated from soil sample SS 9875. 14 Oct 2008. USA: Cherry County, Nebraska.
- 10006 DW Roberts (DWR 1414). Isolated from soil sample SS 9872. 14 Oct 2008. USA: Cherry County, Nebraska.
- 10007 DW Roberts (DWR 1415). Isolated from soil sample SS 9832. 14 Oct 2008. USA: Holt County, Nebraska.
- 10008 DW Roberts (DWR 1416). Isolated from soil sample SS 9857. 14 Oct 2008. USA: Holt County, Nebraska.
- 10009 DW Roberts (DWR 1417). Isolated from soil sample SS 11932. 6 May 2009. USA: Elko County, Nevada. N 41.956545, W 116.07283.
- 10010 DW Roberts (DWR 1418). Isolated from soil sample SS 9837. 14 Oct 2008. USA: Holt County, Nebraska.
- 10011 DW Roberts (DWR 1419). Isolated from soil sample SS 9830. 14 Oct 2008. USA: Holt County, Nebraska.
- 10012 DW Roberts (DWR 1420). Isolated from soil sample SS 10612. 17 Jun 2008. USA: Elko County, Nevada. N 40.808943, W 115.3402.
- 10013 DW Roberts (DWR 1421). Isolated from soil sample SS 10241. 29 Aug 2008. USA: Ford County, Kansas. N 37.482133, W 99.729295.
- 10014 DW Roberts (DWR 1422). Isolated from soil sample SS 10291. 4 Aug 2008. USA: Cheyenne County, Kansas. N 39.68884, W 101.99388.
- 10015 DW Roberts (DWR 1446). Isolated from soil sample SS 10706. 3 Sep 2008. USA: Humboldt County, Nevada. N 40.927495, W 118.3082.
- 10016 DW Roberts (DWR 1447). Isolated from soil sample SS 10809. 6 Aug 2008. USA: Elko County, Nevada. N 41.46017, W 114.7825.
- 10017 DW Roberts (DWR 1448). Isolated from soil sample SS 11936. 28 May 2009. USA: Valley County, Idaho. N 44.805338, W 115.90302.
- 10018 DW Roberts (DWR 1449). Isolated from soil sample SS 10119. 22 Jul 2008. USA: Clark County, Kansas. N 37.191885, W 99.785528.
- 10019 DW Roberts (DWR 1450). Isolated from soil sample SS 10437. 2 May 2008. USA: Elko County, Nevada. N 41.535187, W 115.82186.
- 10020 DW Roberts (DWR 1451). Isolated from soil sample SS 10284. 23 Jul 2008. USA: Comanche County, Kansas. N 37.266482, W 99.26767.
- 10021 DW Roberts (DWR 1468). Isolated from soil sample SS 12110. 10 Jun 2009. USA: Carson County, Texas. N 35.57465, W 101.40082.
- 10022 DW Roberts (DWR 1469). Isolated from soil sample SS 11259. 17 Jun 2009. USA: Millard County, Utah. N 39.1157, W 114.0025.
- 10023 DW Roberts (DWR 1470). Isolated from soil sample SS 12131. 16 Jun 2009. USA: Moore County, Texas. N 35.69076, W 102.05242.
- 10024 DW Roberts (DWR 1471). Isolated from soil sample SS 11004, colony 1. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.
- 10025 DW Roberts (DWR 1472). Isolated from soil sample SS 11004, colony 2. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.
- 10026 DW Roberts (DWR 1473). Isolated from soil sample SS 11004, colony 3. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.
- 10027 DW Roberts (DWR 1489). Isolated from soil sample SS 12736. 10 Jun 2009. USA: Adams County, Washington. N 47.13699, W 118.1721.
- 10028 DW Roberts (DWR 1490). Isolated from soil sample SS 13846. 24 Jun 2009. USA: Weld County, Colorado. N 40.192916, W 104.6822.
- 10029 DW Roberts (DWR 1491). Isolated from soil sample SS 13860. 24 Jun 2009. USA: Weld County, Colorado. N 40.144745, W 104.768.
- 10030 DW Roberts (DWR 1506). Isolated from soil sample SS 13934. 4 Jun 2009. USA: Morgan County, Colorado. N 40.07361, W 104.0186.
- 10031 DW Roberts (DWR 1507). Isolated from soil sample SS 12754. 17 Jun 2009. USA: Douglas County, Washington. N 47.90269, W 119.797.

- 10032 DW Roberts (DWR 1516). Isolated from soil sample SS 13583. 21 Jul 2009. USA: Fremont County, Idaho. N 44.11919, W 111.34764.
- 10033 DW Roberts (DWR 1517). Isolated from soil sample SS 13762. 27 May 2009. USA: Yuma County, Colorado. N 39.795876, W 102.5602.
- 10034 DW Roberts (DWR 1518). Isolated from soil sample SS 13776, colony 1. 28 May 2009. USA: Yuma County, Colorado. N 39.858866, W 102.801.
- 10035 DW Roberts (DWR 1519). Isolated from soil sample SS 13776, colony 2. 28 May 2009. USA: Yuma County, Colorado. N 39.858866, W 102.801.
- 10036 DW Roberts (DWR 1520). Isolated from soil sample SS 13185. 16 Jun 2009. USA: Elbert County, Colorado. N 39.228926, W 103.879.
- 10037 DW Roberts (DWR 1527). Isolated from soil sample SS 13102. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.11295, W 105.0368.
- 10038 DW Roberts (DWR 1528). Isolated from soil sample SS 13749. 27 May 2009. USA: Washington County, Colorado. N 39.624913, W 103.1231.
- 10039 DW Roberts (DWR 1540). Isolated from soil sample SS 13174. 22 Jun 2009. USA: Arapahoe County, Colorado. N 39.653608, W 104.1537.
- 10040 DW Roberts (DWR 1541). Isolated from soil sample SS 14492. 7 Jul 2009. USA: Bent County, Colorado. N 37.91052, W 102.8581.
- 10041 DW Roberts (DWR 1542). Isolated from soil sample SS 12606. 23 Jun 2009. USA: Ochiltree County, Texas. N 36.421, W 101.364.
- 10042 DW Roberts (DWR 1543). Isolated from soil sample SS 12638. 24 Jun 2009. USA: Hansford County, Texas. N 36.19773, W 101.22712.
- 10043 DW Roberts (DWR 1544). Isolated from soil sample SS 12640. 25 Jun 2009. USA: Hutchinson County, Texas. N 35.95214, W 101.22674.
- 10044 DW Roberts (DWR 1545). Isolated from soil sample SS 14964. 5 Jun 2009. USA: Routt County, Colorado. N 40.499741, W 107.2291.
- 10045 DW Roberts (DWR 1546). Isolated from soil sample SS 14981. 22 Jun 2009. USA: Routt County, Colorado. N 40.365231, W 106.7475.
- 10046 DW Roberts (DWR 1547). Isolated from soil sample SS 15007. 24 Jun 2009. USA: Baca County, Colorado. N 37.264538, W 102.7783.
- 10047 DW Roberts (DWR 1548). Isolated from soil sample SS 15025. 27 Jun 2009. USA: Routt County, Colorado. N 40.735816, W 107.1246.
- 10048 DW Roberts (DWR 1553). Isolated from soil sample SS 16368. 11 Aug 2009. USA: Okanogan County, Washington. N 48.24863, W 118.89864.
- 10049 DW Roberts (DWR 1554). Isolated from soil sample SS 17125. 16 Jul 2009. USA: Goshen County, Wyoming. N 42.184521, W 104.45296.
- 10050 DW Roberts (DWR 1555). Isolated from soil sample SS 16143. 5 Aug 2009. USA: Judith Basin County, Montana. N 47.16631, W 110.7234.
- 10051 DW Roberts (DWR 1556). Isolated from soil sample SS 16299. 27 Jul 2009. USA: Ravalli County, Montana.
- 10052 DW Roberts (DWR 1557). Isolated from soil sample SS 17105. 6 Jul 2009. USA: Goshen County, Wyoming. N 42.047107, W 104.3445.
- 10053 DW Roberts (DWR 1580). Isolated from soil sample SS 14593. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.280046, W 103.2653.
- 10054 DW Roberts (DWR 1581). Isolated from soil sample SS 16330. 11 Aug 2009. USA: Sanders, Montana. N 48.08786, W 116.0055.
- 10055 DW Roberts (DWR 1582). Isolated from soil sample SS 14058. 5 Jun 2009. USA: Morgan County, Colorado. N 40.146715, W 103.5101.
- 10056 DW Roberts (DWR 1583). Isolated from soil sample SS 14218. 4 Aug 2009. USA: Iron County, Utah. N 37.3221, W 113.0306.
- 10057 DW Roberts (DWR 1584). Isolated from soil sample SS 14595. 8 Jul 2009. USA: Baca County, Colorado. N 37.557158, W 102.9408.
- 10058 DW Roberts (DWR 1591). Isolated from soil sample SS 15781. 2 Jun 2009. USA: Tripp County, South Dakota. N 43.162, W 99.8701.
- 10059 DW Roberts (DWR 1592). Isolated from soil sample SS 15770. 16 Jun 2009. USA: Lyman County, South Dakota. N 43.9051, W 99.7065.
- 10060 DW Roberts (DWR 1601). Isolated from soil sample SS 15269. 8 Jun 2009. USA: Shannon County, South Dakota. N 43.4775, W 102.9187.
- 10061 DW Roberts (DWR 1602). Isolated from soil sample SS 17132. 21 Jul 2009. USA: Goshen County, Wyoming. N 42.392979, W 104.35598.
- 10062 DW Roberts (DWR 1610). Isolated from soil sample SS 15087. Jul 2009. USA: Fremont County, Colorado. N 38.696808, W 105.4887.
- 10063 DW Roberts (DWR 1611). Isolated from soil sample SS 17311, colony 1. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.
- 10064 DW Roberts (DWR 1612). Isolated from soil sample SS 17311, colony 2. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.
- 10065 DW Roberts (DWR 1613). Isolated from soil sample SS 17311, colony 3. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.
- 10066 DW Roberts (DWR 1614). Isolated from soil sample SS 16348. 10 Aug 2009. USA: Ferry County, Washington. N 48.334457, W 118.22365.
- 10067 DW Roberts (DWR 1615). Isolated from soil sample SS 14683. 8 Jul 2009. USA: Baca County, Colorado. N 37.599526, W 103.0024.

- 10068 DW Roberts (DWR 1652). Isolated from soil sample SS 15462. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0389, W 99.076.
- 10069 DW Roberts (DWR 1653). Isolated from soil sample SS 14725, colony 1. 3 Jun 2009. USA: Montrose County, Colorado. N 38.449135, W 109.0525.
- 10070 DW Roberts (DWR 1654). Isolated from soil sample SS 14725, colony 2. 3 Jun 2009. USA: Montrose County, Colorado. N 38.449135, W 109.0525.
- 10071 DW Roberts (DWR 1655). Isolated from soil sample SS 14729. 5 Jun 2009. USA: Montezuma County, Colorado. N 37.469161, W 108.1988.
- 10072 DW Roberts (DWR 1656). Isolated from soil sample SS 14202. 28 Jul 2009. USA: Elko County, Nevada. N 41.870107, W 115.4253.
- 10073 DW Roberts (DWR 1657). Isolated from soil sample SS 14169. 14 Jul 2009. USA: Elko County, Nevada. N 41.800432, W 115.50082.
- 10074 DW Roberts (DWR 1658). Isolated from soil sample SS 14158, colony 1. 4 Jun 2009. USA: Idaho County, Idaho.
- 10075 DW Roberts (DWR 1659). Isolated from soil sample SS 14158, colony 2. 4 Jun 2009. USA: Idaho County, Idaho.
- 10076 DW Roberts (DWR 1660). Isolated from soil sample SS 14424. 27 Jul 2009. USA: Eureka County, Nevada. N 39.943369, W 116.074.
- 10077 DW Roberts (DWR 1683). Isolated from soil sample SS 17491. 16 Jun 2009. USA: Prowers County, Colorado. N 37.838933, W 102.2264.
- 10078 DW Roberts (DWR 1684). Isolated from soil sample SS 17987. 6 Aug 2009. USA: Umatilla County, Oregon.
- 10079 DW Roberts (DWR 1685). Isolated from soil sample SS 15585. 12 Jun 2009. USA: Tripp County, South Dakota. N 43.6229, W 100.18.
- 10080 DW Roberts (DWR 1686). Isolated from soil sample SS 17658. 4 Jul 2009. USA: Bent County, Colorado. N 38.012501, W 102.9669.
- 10081 DW Roberts (DWR 1687). Isolated from soil sample SS 17909. 11 Aug 2009. USA: Gilliam County, Oregon.
- 10082 DW Roberts (DWR 1688). Isolated from soil sample SS 17940. 11 Aug 2009. USA: Morrow County, Oregon.
- 10083 DW Roberts (DWR 1689). Isolated from soil sample SS 17763. 9 Jul 2009. USA: Yuma County, Colorado. N 40.075706, W 102.4637.
- 10084 DW Roberts (DWR 1690). Isolated from soil sample SS 17744. 7 Jul 2009. USA: Kit Carson County, Colorado. N 39.289653, W 102.372.
- 10085 DW Roberts (DWR 1699). Isolated from soil sample SS 15643. 11 Jun 2009. USA: Perkins County, South Dakota. N 45.776343, W 102.7977.
- 10086 DW Roberts (DWR 1700). Isolated from soil sample SS 16653. 21 Jul 2009. USA: Show Low, Arizona. N 34.31598, W 110.33913.
- 10087 DW Roberts (DWR 1701). Isolated from soil sample SS 17701. 5 Jul 2009. USA: Yuma County, Colorado.
- 10088 DW Roberts (DWR 1702). Isolated from soil sample SS 17707. 5 Jul 2009. USA: Yuma County, Colorado.
- 10089 DW Roberts (DWR 1703). Isolated from soil sample SS 14264, colony 1. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.
- 10090 DW Roberts (DWR 1704). Isolated from soil sample SS 14277, colony 1. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.6059, W 111.5146.
- 10091 DW Roberts (DWR 1705). Isolated from soil sample SS 14277, colony 2. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.6059, W 111.5146.
- 10092 DW Roberts (DWR 1706). Isolated from soil sample SS 14306. 6 Aug 2009. USA: Minidoka County, Idaho. N 42.579567, W 113.92838.
- 10093 DW Roberts (DWR 1707). Isolated from soil sample SS 15101. Jul 2009. USA: Fremont County, Colorado. N 38.539323, W 105.7244.
- 10094 DW Roberts (DWR 1708). Isolated from soil sample SS 15122. 24 Jun 2009. USA: Baca County, Colorado. N 37.290136, W 103.0498.
- 10095 DW Roberts (DWR 1709). Isolated from soil sample SS 15922, colony 1. 12 Aug 2009. USA: Okanogan County, Washington. N 48.546579, W 118.97652.
- 10096 DW Roberts (DWR 1710). Isolated from soil sample SS 15922, colony 2. 12 Aug 2009. USA: Okanogan County, Washington. N 48.546579, W 118.97652.
- 10097 DW Roberts (DWR 1714). Isolated from soil sample SS 14264, colony 2. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.
- 10098 DW Roberts (DWR 1715). Isolated from soil sample SS 14264, colony 3. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.
- 10099 DW Roberts (DWR 1716). Isolated from soil sample SS 17770, colony 1. 9 Jul 2009. USA: Kit Carson County, Colorado. N 39.562111, W 102.4253.
- 10100 DW Roberts (DWR 1717). Isolated from soil sample SS 17770, colony 2. 9 Jul 2009. USA: Kit Carson County, Colorado. N 39.562111, W 102.4253.
- 10101 DW Roberts (DWR 1718). Isolated from soil sample SS 15554, colony 1. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.1476, W 101.7323.
- 10102 DW Roberts (DWR 1719). Isolated from soil sample SS 15554, colony 2. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.1476, W 101.7323.
- 10103 DW Roberts (DWR 1720). Isolated from soil sample SS 16081. 22 Jul 2009. USA: Musselshell County, Montana. N 46.2225, W 108.504.
- 10104 DW Roberts (DWR 1721). Isolated from soil sample SS 17821. 14 Aug 2009. USA: Oregon.

- 10105 DW Roberts (DWR 1722). Isolated from soil sample SS 17991. 10 Aug 2009. USA: Umatilla County, Oregon.
- 10106 DW Roberts (DWR 1723). Isolated from soil sample SS 13501. 10 Jun 2009. USA: Elbert County, Colorado. N 39.14357, W 104.2922.
- 10107 DW Roberts (DWR 1740). Isolated from soil sample SS 16903. 20 Aug 2009. USA: Graham County, Arizona. N 32.831492, W 110.14019.
- 10108 DW Roberts (DWR 1741). Isolated from soil sample SS 15618. 1 Jun 2009. USA: Lake County, South Dakota. N 43.88016, W 96.978852.
- 10109 DW Roberts (DWR 1742). Isolated from soil sample SS 15513. 2 Jun 2009. USA: Minnehaha County, South Dakota. N 43.630077, W 96.618407.
- 10110 DW Roberts (DWR 1743). Isolated from soil sample SS 15344. 1 Jul 2009. USA: Corson County, South Dakota. N 45.6247, W 101.1415.
- 10111 DW Roberts (DWR 1744). Isolated from soil sample SS 15136. 25 Jun 2009. USA: Huerfano County, Colorado. N 37.805756, W 104.6537.
- 10112 DW Roberts (DWR 1763). Isolated from soil sample SS 17568. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.322571, W 102.6186.
- 10113 DW Roberts (DWR 1764). Isolated from soil sample SS 17569. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.40456, W 102.6193.
- 10114 DW Roberts (DWR 1765). Isolated from soil sample SS 17559. 22 Jun 2009. USA: Prowers County, Colorado. N 38.165975, W 102.2108.
- 10115 DW Roberts (DWR 1766). Isolated from soil sample SS 17562. 22 Jun 2009. USA: Prowers County, Colorado. N 38.113836, W 102.4122.
- 10116 DW Roberts (DWR 1767). Isolated from soil sample SS 16935. 4 Aug 2009. USA: Coconino County, Arizona. N 34.464008, W 110.97636.
- 10117 DW Roberts (DWR 1771). Isolated from soil sample SS 17536. 21 Jun 2009. USA: Baca County, Colorado. N 37.251095, W 102.4412.
- 10118 DW Roberts (DWR 1808). Isolated from soil sample SS 13232. 8 Jul 2009. USA: Moffat County, Colorado. N 40.429511, W 108.1482.
- 10119 DW Roberts (DWR 1809). Isolated from soil sample SS 16509. 23 Jul 2009. USA: Coconino County, Arizona. N 35.228356, W 111.98011.
- 10120 DW Roberts (DWR 1810). Isolated from soil sample SS 16814. 29 Jul 2009. USA: Coconino County, Arizona. N 35.191634, W 112.27041.
- 10121 DW Roberts (DWR 1811). Isolated from soil sample SS 16860. 29 Jul 2009. USA: Coconino County, Arizona. N 35.164075, W 112.15773.
- 10122 DW Roberts (DWR 1812). Isolated from soil sample SS 18039, colony 1. 4 Nov 2009. USA: Canyon County, Idaho. N 43.33.154, W 116.33.965.
- 10123 DW Roberts (DWR 1813). Isolated from soil sample SS 18039, colony 2. 4 Nov 2009. USA: Canyon County, Idaho. N 43.33.154, W 116.33.965.
- 10124 DW Roberts (DWR 1814). Isolated from soil sample SS 18044. 5 Nov 2009. USA: Canyon County, Idaho. N 43.32.895, W 116.33.093.
- 10125 DW Roberts (DWR 1815). Isolated from soil sample SS 18056. 5 Nov 2009. USA: Owyhee County, Idaho. N 43.32.755, W 116.53.541.
- 10126 DW Roberts (DWR 1844). Isolated from soil sample SS 17853. 5 Aug 2009. USA: Harney County, Oregon. N 42.664078, W 118.4723.
- 10314 DW Roberts (DWR 1845). Isolated from soil sample SS 17873. 13 Aug 2009. USA: Wallowa County, Oregon. N 45.66882, W 116.9404.
- 10315 DW Roberts (DWR 1855). Isolated from soil sample SS 15529. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.2035, W 100.1666.
- 10316 DW Roberts (DWR 1856). Isolated from soil sample SS 15146. 16 Jul 2009. USA: Custer County, Colorado. N 38.088653, W 105.5118.
- 10317 DW Roberts (DWR 1857). Isolated from soil sample SS 18079. Sep 2009. USA: Elko County, Nevada. N 40.775453, W 115.3309.
- 10318 DW Roberts (DWR 1858). Isolated from soil sample SS 15904. 6 Aug 2009. USA: Stevens County, Washington. N 48.713105, W 118.05228.
- 10319 DW Roberts (DWR 1859). Isolated from soil sample SS 14930, colony 1. 4 Jun 2009. USA: Pueblo County, Colorado. N 38.174323, W 104.59353.
- 10320 DW Roberts (DWR 1860). Isolated from soil sample SS 14930, colony 2. 4 Jun 2009. USA: Pueblo County, Colorado. N 38.174323, W 104.59353.
- 10321 DW Roberts (DWR 1908). Isolated from soil sample SS 15883. 12 May 2009. USA: Kootenai County, Idaho. N 47.775148, W 116.96062.
- 10322 DW Roberts (DWR 1909). Isolated from soil sample SS 12891. 8 Jul 2009. USA: Antelope Flats, Point of Pines, Arizona. N 33.357648, W 109.73008.
- 10323 DW Roberts (DWR 1938). Isolated from soil sample SS 15228. Jun 2009. USA: Todd County, South Dakota. N 43.645, W 100.57.
- 10324 DW Roberts (DWR 1942). Isolated from soil sample SS 18100. 17 Nov 2009. USA: North Ocean Springs, Mississippi. N 30.28566, W 88.51151.
- 10325 DW Roberts (DWR 1949). Isolated from soil sample SS 18336. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.820671, W 100.77505.
- 10326 DW Roberts (DWR 1950). Isolated from soil sample SS 18335. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.820708, W 100.59431.
- 10327 DW Roberts (DWR 1951). Isolated from soil sample SS 18332. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.82045, W 100.39461.

- 10328 DW Roberts (DWR 1954). Isolated from soil sample SS 5123. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.98988, W 102.21945.
- 10329 DW Roberts (DWR 1955). Isolated from soil sample SS 18341, colony 1. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.
- 10330 DW Roberts (DWR 1956). Isolated from soil sample SS 18341, colony 2. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.
- 10331 DW Roberts (DWR 1957). Isolated from soil sample SS 18341, colony 3. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.
- 10332 DW Roberts (DWR 1958). Isolated from soil sample SS 1591. 13 Aug 2008. USA: Grant County, Nebraska. N 41.962825, W 101.50659.
- 10333 DW Roberts (DWR 1971). Isolated from soil sample SS 5120. 18 Aug 2008. USA: Morrill County, Nebraska. N 41.8132, W 103.14888.
- 10334 DW Roberts (DWR 1996). Isolated from soil sample SS 1488. 16 Jul 2008. USA: Franklin County, Washington. N 46.66756, W 118.25021.
- 10335 DW Roberts (DWR 1998). Isolated from soil sample SS 18339. 11 Jun 2008. USA: Bottineau County, North Dakota. N 48.774625, W 101.14656.
- 10336 DW Roberts (DWR 1999). Isolated from soil sample SS 18340. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.654198, W 101.14718.
- 10337 DW Roberts (DWR 2003). Isolated from soil sample SS 1675, colony 2. 14 Aug 2008. USA: Howard County, Nebraska. N 41.0758, W 98.4988.
- 10338 DW Roberts (DWR 2004). Isolated from soil sample SS 6130, colony 1. 12 Aug 2008. USA: Dale Widhalm, Nebraska. N 41.65222, W 102.85937.
- 10339 DW Roberts (DWR 2005). Isolated from soil sample SS 6130, colony 2. 12 Aug 2008. USA: Dale Widhalm, Nebraska. N 41.65222, W 102.85937.
- 10340 DW Roberts (DWR 2006). Isolated from soil sample SS 4907. 20 Jun 2008. USA: Towner County, North Dakota. N 48.805, W 99.329.
- 10341 DW Roberts (DWR 2007). Isolated from soil sample SS 4908. 20 Jun 2008. USA: Cavalier County, North Dakota. N 48.8197, W 98.6278.
- 10342 DW Roberts (DWR 2008). Isolated from soil sample SS 4904. 12 Jun 2008. USA: Ward County, North Dakota. N 48.05092, W 100.0582.
- 10343 DW Roberts (DWR 2009). Isolated from soil sample SS 5244. 20 Jun 2008. USA: Brule County, South Dakota. N 43.6147, W 98.99251.
- 10344 DW Roberts (DWR 2010). Isolated from soil sample SS 4901, colony 1. 20 Jun 2008. USA: McLean County, North Dakota. N 47.8331, W 100.888.
- 10345 DW Roberts (DWR 2011). Isolated from soil sample SS 4901, colony 2. 20 Jun 2008. USA: McLean County, North Dakota. N 47.8331, W 100.888.
- 10346 DW Roberts (DWR 2025). Isolated from soil sample SS 4446. May 2008. USA: Hardeman County, Texas. N 34.14822, W 99.7336.
- 11668 Z Demirbag (As1) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11669 Z Demirbag (As2) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11685 Z Demirbag (As18) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11686 Z Demirbag (As19) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11839 [ERL 2020] S Gouli (THR-11-12) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11849 [ERL 2030] S Gouli (THR-11-20) and V Gouli. [Coleoptera: Chrysomelidae]. 2011. USA: Underhill, Vermont.
- Metarhizium acridum* (Driver & Milner) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *Metarhizium anisopliae* var. *acridum*. Placement of isolates here has been genomically confirmed according to the classification of Bischoff et al. (2009).
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- 324 [CSIRO FI48] RS Soper ← R Teakle (M-100). *Austracris guttulosa* [Orthoptera: Acrididae]. Feb 1979. Australia: Queensland.
- 3341 [IMI 330189] C Prior. *Ornithacris cavroisi* [Orthoptera: Acrididae]. Rec'd 17 Jun 1991. Niger: ICRISAT, nr. Niamey. Single spore isolate.
- 3391 [FI 1028; IIBC I88-377; IIBC 188-377 ; IMI 324673] *Zonocerus elegans* [Orthoptera: Pyrgomorphidae]. Rec'd 17 Sep 1991. Tanzania.
- 3609 IMI (I91-614). *Patanga succincta* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Thailand.
- 3612 IMI (I91-646). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 26 Feb 1992. Benin.
- 4605 [DAT 505] AC Rath (F505). *Austracris guttulosa* [Orthoptera: Acrididae]. 29 Sep 1993. Australia: Queensland.
- 5735 ST Jaronski (SP5). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5736 ST Jaronski (SP9). *Locusta migratoria capito* [Orthoptera: Acrididae]. 1993. Madagascar.
- 5747 MCHCA Bernal (MaPL14). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.
- 5748 MCHCA Bernal (MaPL32). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.

- 5750 MCHCA Bernal (MaPL39). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1995. Mexico: Isla Socorro, Colima.
- 6421 A Niassy (DPV-1, Khelkom KAN). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 7 Dec 1999. Senegal: Khelcom, District of Kaffrine, Region of Kaolack.
- 6592 [IITA 188] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Koda, Tchaourou, Borgou.
- 6597 [IITA 193] A Cherry. From soil. Rec'd 18 Sep 2000. Benin: Itadjebou, Ouémé.
- 6598 [IITA 194] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Zinvié, Atlantique.
- 6600 [IITA 196] A Cherry. Rec'd 18 Sep 2000. Benin: Diho, Save, Zou.
- 6851 GUL Braga and DW Roberts (DWR 158). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 3341 following UV-B exposure.
- 6852 GUL Braga and DW Roberts (DWR 159). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6853 GUL Braga and DW Roberts (DWR 160). 6 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 3341 following UV-B exposure.
- 6854 GUL Braga and DW Roberts (DWR 161). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6855 GUL Braga and DW Roberts (DWR 162). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6856 GUL Braga and DW Roberts (DWR 163). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6857 GUL Braga and DW Roberts (DWR 164). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6858 GUL Braga and DW Roberts (DWR 165). 8 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6859 GUL Braga and DW Roberts (DWR 166). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 7486 [CSIRO FI-0987] IMI (330189). *Ornithacris cavroisi* [Orthoptera: Acrididae]. 29 Aug 1992. Niger. Ex-type isolate used by Driver et al. (2000) to describe *M. anisopliae* var. *acridum*.
- 9592 [ERL 1056] S Gouli (IMI-33/WFT) and V Gouli. 2006.
- Metarhizium album*** Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 1840 MC Rombach. *Nephotettix virescens* [Hemiptera: Cicadellidae]. Acc'd 29 Jan 1985. Philippines: IRRRI, Los Baños, Manila.
- 1941 MC Rombach (MPAL) ← DJ Im. *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. Jul 1985. Philippines: Roxas, Palawan.
- 1942 MC Rombach (MLAG). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. Nov 1984. Philippines: Laguna.
- 1943 MC Rombach (MLAGwhite). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. Nov 1984. Philippines: Laguna.
- 2081 MC Rombach ← HC Evans (I85-87) ← MJ Coch. [Hemiptera: Cicadellidae] on mango. Dec 1985. Philippines: Tuguegarao, Cagayan.
- 2082 [IMI 300150] MC Rombach ← HC Evans (I85-12). *Cofana spectra* [Hemiptera: Cicadellidae] on rice. Mar 1985. Indonesia: Kotamobagu, Sulawesi Utara, Celebes.
- 2176 MC Rombach (130586-17). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.
- 2178 MC Rombach (130586-19). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.
- 2179 MC Rombach (130586-20). *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.
- Metarhizium anisopliae*** (Metschnikoff) Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Strains included here have not been reconfirmed genomically to belong to *Metarhizium anisopliae* in the classification of Bischoff et al. (2009).
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- 9354 [ERL 1053] M Brownbridge (CA-171) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9487 [SRCAMB VL-1757] V Likhovidov. [Diptera]. 27 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-737.
- 9488 [SRCAMB AS-464] V Likhovidov. Isolated from soil sample. 19 May 2004. Ukraine: Askania-Nova Reserve, Kherson Oblast. Field Collection Number F-748.
- Metarhizium anisopliae* sensu lato** (Metschnikoff)
Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. These isolates were identified morphologically and have not yet been reidentified under the genomic classification of Bischoff et al. (2009).
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- 435 [CSIRO FI53] SJ Gagen (1). *Teleogryllus commodus*

- [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.
- 438 [CSIRO FI54] SJ Gagen (4). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia.
- 440 SJ Gagen (6). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.
- 441 SJ Gagen (7). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.
- 442 SJ Gagen (8). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Hawkesdale, Victoria.
- 445 SJ Gagen (11). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Carapook, Victoria.
- 456 [QEC 411.0] RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 457 [QEC 412.0] RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 485 [QEC 413.0] RS Soper (NT-21). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 486 [QEC 414.0] RS Soper (NT-25). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 487 [QEC 415.0] RS Soper (NT-20). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 488 [QEC 416.0] RS Soper (NT-24). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 489 [QEC 417.0] RS Soper (NT-22). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 543 DW Roberts (81280). *Recilia dorsalis* [Hemiptera: Cicadellidae]. 12 Aug 1980. Philippines: greenhouse, IRRRI, Los Baños, Manila.
- 549 [QEC 418.0] DW Roberts. Metabiol. Nov 1980. Brazil.
- 550 [QEC 419.0] DW Roberts. Metabiol. Nov 1980. Brazil.
- 551 [QEC 420.0] DW Roberts. Metabiol. Nov 1980. Brazil.
- 589 [QEC 432.0] JM Lenné (P1). Soil. Rec'd 13 Apr 1981. Colombia: Popayán, Cauca.
- 725 [CNPAF 82-1-6-02; CP 8] RA Daoust. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.
- 728 [CNPAF 82-2-3-02; CP 22] RA Daoust. [Orthoptera]. 3 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 729 [CNPAF 82-2-15-02; CP 24] RA Daoust. *Deois flavopicta* [Hemiptera: Cercopidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 759 [CNPAF 82-4-1-01; CP 37] RA Daoust. *Deois flavopicta* [Hemiptera: Cercopidae]. 1 Apr 1982. Brazil: CNPAF, Goiânia, Goiás.
- 760 [CNPAF 82-2-15-03; CP 31] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 782 [CNPAF 82-5-4-01; CP 52] RA Daoust ← SM dos Santos. *Deois flavopicta* [Hemiptera: Cercopidae]. 4 May 1982. Brazil: CNPAF, Goiânia, Goiás.
- 794 GA Kuter (300). Leaf litter under sugar maple. 1975. USA: Abraham's Woods, University of Wisconsin Arboretum, Green County, Wisconsin.
- 808 [CNPAF 82-7-23-01; CP 62] RA Daoust ← SM dos Santos. *Coleomegilla maculata* [Coleoptera: Coccinellidae]. 23 Jul 1982. Brazil: CNPAF, Goiânia, Goiás.
- 818 GG Soares (19). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
- 844 DW Roberts ← B Schaerffenberg (Ma16). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 845 DW Roberts ← B Schaerffenberg (Ma13). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 846 DW Roberts ← B Schaerffenberg (Ma18). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 847 DW Roberts ← B Schaerffenberg (Ma1). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 848 DW Roberts ← B Schaerffenberg (Ma17). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 849 DW Roberts ← B Schaerffenberg (Ma8). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 850 DW Roberts ← B Schaerffenberg (Ma15). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 851 DW Roberts ← B Schaerffenberg (Ma10). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 852 DW Roberts ← B Schaerffenberg (Ma6). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 853 DW Roberts ← B Schaerffenberg (Ma11). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 854 DW Roberts ← B Schaerffenberg (Ma14). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

- 855 DW Roberts ← B Schaerffenberg (Ma5). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 856 DW Roberts ← B Schaerffenberg (Ma12). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 857 DW Roberts ← B Schaerffenberg (Ma9). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 858 DW Roberts ← B Schaerffenberg (Ma19). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 859 DW Roberts ← B Schaerffenberg (Ma4). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 860 DW Roberts ← B Schaerffenberg (Ma7). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 861 DW Roberts ← B Schaerffenberg (Ma20). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 862 DW Roberts ← B Schaerffenberg (Ma2). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 863 DW Roberts ← B Schaerffenberg (Ma3). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 864 DW Roberts (Ma Teetor S2 SS#19) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 865 DW Roberts (Ma Teetor S2 SS#20) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 866 DW Roberts (Ma Teetor S2 SS#22) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 867 DW Roberts (Ma Teetor S2 SS#18) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 868 DW Roberts (Ma Teetor S2 SS#16) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 869 DW Roberts (Ma Teetor S2 SS#17) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 870 DW Roberts (Ma Teetor S2 SS#15) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 871 DW Roberts (Ma Teetor S2 SS#21) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 872 [ARSEF 888 (deaccessioned); QEC 408.0] DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 873 DW Roberts (Ma Teetor S2 SS#4) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 874 DW Roberts (Ma Teetor S2 SS#2) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 875 DW Roberts (Ma Teetor S2 SS#1) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 889 DW Roberts (Ma Teetor S2 SS#9) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 890 DW Roberts (Ma Teetor S2 SS#8) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 891 DW Roberts (Ma Teetor S2 SS#7) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 892 DW Roberts (Ma Teetor S2 SS#6) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 893 DW Roberts (Ma Teetor S2 SS#3) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 894 DW Roberts (Ma Teetor S2 SS#14) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 895 DW Roberts (Ma Teetor S2 SS#13) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 896 DW Roberts (Ma Teetor S2 SS#12) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 897 DW Roberts (Ma Teetor S2 SS#11) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

- 898 DW Roberts (Ma Teetor S2 SS#10) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 901 DW Roberts (VSS#6). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 902 DW Roberts (VSS#5). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 903 DW Roberts (VSS#4). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 904 DW Roberts (VSS#3). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 905 DW Roberts (VSS#2). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 906 DW Roberts (VSS#1). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 907 [QEC 421.0] K Al-Aidroos (DIII 3B Bes 48 (recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 25 Jun 1983. Laboratory manipulation.
- 908 K Al-Aidroos (S7N5 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 909 [QEC 408.1] K Al-Aidroos (5.173 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 910 [QEC 423.0] K Al-Aidroos (D95A Bes 140 (recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 911 [QEC 424.0] K Al-Aidroos (19-1a5 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 912 [QEC 425.0] K Al-Aidroos (D198A) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 913 [QEC 426.0] K Al-Aidroos (D95A (diploid, recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 921 [QEC 422.1] K Al-Aidroos (42.2a9 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 922 K Al-Aidroos (5.281 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 925 [ATCC 60335; EPABA E-9(ESMC); QEC 409.0] DW Roberts ← J Ventura. *Deois flavopicta* [Hemiptera: Cercopidae]. 22 Aug 1978. Brazil: Espírito Santo.
- 929 [CNPAF 82-12-15-01; CP 67] RA Daoust ← SM dos Santos. Larva, *Chalcodermus aeneus* [Coleoptera: Curculionidae]. Dec 1982. Brazil: CNPAF, Goiânia, Goiás.
- 932 [CNPAF 82-12-20-02; CP 70] RA Daoust. [Coleoptera: Bruchidae]. 20 Dec 1982. Brazil: CNPAF, Goiânia, Goiás.
- 939 [CNPAF 83-3-3-03; CP 78] RA Daoust ← SM dos Santos. [Coleoptera: Carabidae]. 3 Mar 1983. Brazil: CNPAF, Goiânia, Goiás.
- 954 [CNPAF 83-03-16L; CP 99] RA Daoust and BP Magalhães. [Coleoptera: Bruchidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.
- 955 [CNPAF 83-4-27; CP 100] RA Daoust ← SM dos Santos. *Deois flavopicta* [Hemiptera: Cercopidae]. 27 Apr 1983. Brazil: CNPAF, Goiânia, Goiás.
- 960 K Al-Aidroos (DIII 3B (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 26 Aug 1983. Laboratory manipulation.
- 965 K Al-Aidroos (5.378 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 966 K Al-Aidroos (19.1 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 967 K Al-Aidroos (5.287 (EMS mutant)) ← DW Roberts (Ma Teetor S-SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 968 K Al-Aidroos (DIII 3A (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 1022 K Al-Aidroos (5.304 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.
- 1023 K Al-Aidroos (JX1.23C (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.
- 1024 K Al-Aidroos (JX1.23A (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.
- 1025 K Al-Aidroos (42.2 (EMS mutant of 5.42)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.

- 1055 [CNPS 19] F Moscardi. *Nezara viridula* [Hemiptera: Pentatomidae]. 1983. Brazil: Londrina, Paraná.
- 1056 [CNPS 25] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 1983. Brazil: Londrina, Paraná.
- 1059 [CNPS 39C] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.
- 1083 K Al-Aidroos (5A.11 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1084 K Al-Aidroos (5A.7 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1085 K Al-Aidroos (5A.1 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1086 K Al-Aidroos (5A.10 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1087 K Al-Aidroos (5A (UV irradiated mutant of 5)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1088 K Al-Aidroos (5A.12 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1089 K Al-Aidroos (JXIV.245 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1090 K Al-Aidroos (KIIVA (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1091 K Al-Aidroos (JIIXIV (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1094 DW Roberts ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). [Lepidoptera]. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1097 K Al-Aidroos (JIVD (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1280 DW Roberts (MaT3JB-C) or (single spore isolate #1). *Popillia japonica* [Coleoptera: Scarabaeidae]. 1978. USA: Clinton Corners, New York.
- 1281 DW Roberts. Chemical mutant of Roberts # F84 ← ARSEF 23. Acc'd 3 May 1984. Laboratory manipulation.
- 1282 K El-kadi (CEPLAC-ICI). [Hemiptera: Cercopidae]. Acc'd 3 May 1984. Brazil: Bahia.
- 1284 [QEC 434.0] DW Roberts (BPH-12). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1285 [QEC 435.0] DW Roberts (BPH-13). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1286 [QEC 436.0] DW Roberts (BPH-4). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1290 [QEC 437.0] DW Roberts (BPH-11). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1299 [ARSEF 1045; EPABA A-24] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. Aug 1978. Brazil: Bahia.
- 1300 [QEC 438.0] DW Roberts (VIII). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.
- 1304 [QEC 439.0] DW Roberts (D). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1373 S Keller (44). Acc'd 21 Jun 1984. Switzerland.
- 1374 S Keller (45). Acc'd 21 Jun 1984. Switzerland.
- 1375 S Keller (46). Acc'd 21 Jun 1984. Switzerland.
- 1376 S Keller (47). Acc'd 21 Jun 1984. Switzerland.
- 1377 [ARSEF ?396] S Keller (48). *Agriotes sputator* [Coleoptera: Elateridae]. 4 May 1977. Switzerland.
- 1378 Acc'd 26 Jun 1984. Location not specified.
- 1379 [EPABA A-12] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. 22 Aug 1978. Brazil: Bahia.
- 1380 Acc'd 26 Jun 1984. Location not specified.
- 1382 [EPABA A-10] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. 22 Aug 1978. Brazil: Bahia.
- 1386 Acc'd 5 Jul 1984. Location not specified.
- 1387 Acc'd 5 Jul 1984. Location not specified.
- 1388 Acc'd 5 Jul 1984. Location not specified.
- 1432 MC Rombach (B). *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 14 Apr 1984. Philippines: Maasin, Palawan.
- 1449 [CNPAF 84-1-26; CP 123] BP Magalhães. *Deois incompleta* [Hemiptera: Cercopidae]. 26 Jan 1984. Brazil: Altamira, Pará.
- 1490 [INRA Ma-127] GG Soares ← P Ferron ← DW Roberts. Acc'd 21 Aug 1984. Location not specified.

- 1548 MC Rombach (Ma Pal.I). Adult, *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. May 1984. Philippines: nr. PNAC Station, Arbor Lan, Palawan.
- 1726 DW Roberts (291013) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1727 DW Roberts (291015) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1728 DW Roberts (291001) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1744 DW Roberts (291014) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1745 DW Roberts (291016) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1823 DW Roberts (29103b) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1882 [CP 171] DW Roberts ← C Czepak. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 3 Jan 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1885 [CP 174] DW Roberts ← SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 23 Apr 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1890 DW Roberts ← RA Daoust (ZcG3). [Hemiptera: Cercopidae]. Jan 1980. Brazil: Pará.
- 1891 DW Roberts ← MA Naves (460(88)). [Hemiptera: Cercopidae]. Jan 1980. Brazil: Pará.
- 1892 DW Roberts ← RA Daoust (Eq-ESMC-CsI). *Deois flavopicta* [Homoptera: Cercopidae] isolate (Daoust # E-9) passed through *Culex quinquefasciatus* [Diptera: Culicidae]. Acc'd 6 Jun 1985. Laboratory manipulation.
- 1895 DW Roberts ← RA Daoust (ZcG1). [Hemiptera: Cercopidae]. Jan 1980. Brazil: Pará.
- 1896 [EPABA A-8(BAMC)] DW Roberts ← E Matta. *Mahanarva posticata* [Hemiptera: Cercopidae]. Rec'd Aug 1978. Brazil: Salvador, Bahia.
- 1898 [EPABA A-18 (BAMC)] DW Roberts ← E Matta. *Mahanarva posticata* [Hemiptera: Cercopidae]. Rec'd Aug 1978. Brazil: Salvador, Bahia.
- 1899 [EPABA A-23] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. Rec'd Aug 1978. Brazil.
- 1901 DW Roberts ← MA Naves (CG-6). [Coleoptera: Carabidae]. Jan 1980. Brazil: Pará.
- 1902 DW Roberts ← RA Daoust (ZcG4). [Hemiptera: Cercopidae]. Jan 1980. Brazil.
- 1903 DW Roberts (103a). *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 11 Jun 1985. USA.
- 1911 [EPABA A-2] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. Rec'd Aug 1978. Brazil.
- 1958 [CNPAF 85-7-24-1; CP 184] JC Lord and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.
- 1970 [CNPAF 82-12-01; CP 170] C Czepak. *Deois flavopicta* [Hemiptera: Cercopidae]. 1 Dec 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1989 [ARSEF 1452 (deaccessioned); CNPAF 53; CP 126] F Moscardi. *Sternechus subsignatus* [Coleoptera: Curculionidae]. 27 Mar 1984. Brazil: Soybean Center, Londrina, Paraná.
- 2038 MC Rombach (161085-35) ← SB Ahn (D2-4). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 16 Oct 1985. Republic of Korea.
- 2039 MC Rombach (161085-36) ← SB Ahn (E2-13). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 16 Oct 1985. Republic of Korea.
- 2076 [CP 194] JC Lord and BP Magalhães. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 1985. Brazil: CNPAF, Goiânia, Goiás.
- 2077 [CP 195] JC Lord and BP Magalhães. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 1985. Brazil: CNPAF, Goiânia, Goiás.
- 2105 DG Holdom (130286-3). *?Hydrellia* sp. [Diptera: Ephydriidae]. 13 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2135 T Searle (F). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2136 T Searle (K). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada.
- 2137 T Searle (Q). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2138 T Searle (W). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2139 T Searle (Z). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Aug 1985. Canada: Southern Québec.
- 2156 BN Muthappa (PNG 12711). Adult, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2163 BN Muthappa (PNG 12722). Larva, [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2165 BN Muthappa (PNG 12724). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2166 BN Muthappa (PNG 12726). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.

- 2167 BN Muthappa (PNG 12727). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2211 [CNPAF 86-06-02-3; CP 207] DW Roberts ← JFS Martins. Soil. 2 Jun 1986. Brazil: Campinas, São Paulo.
- 2212 [CNPAF 86-06-05-9; CP 208] DW Roberts ← PMOJ Neves. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2213 [CNPAF 86-06-05-8; CP 209] DW Roberts ← O Sales. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2214 [CNPAF 86-06-05-7; CP 210] DW Roberts ← JFS Martins. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2230 MC Rombach (220786-1). 22 Jul 1986. Location not specified.
- 2341 [ARSEF 2381 (never frozen), 2383 (never frozen)] MC Rombach (120286-2). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.
- 2342 [ARSEF 2384 (never frozen)] MC Rombach (120286-3). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.
- 2343 [ARSEF 2385 (never frozen)] MC Rombach (120286-4). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.
- 2424 DG Holdom (080287-1). Larva, [Lepidoptera]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2510 [CP 218] SM dos Santos. *Atta* sp. [Hymenoptera: Formicidae]. 29 Apr 1987. Brazil: CNPAF, Goiânia, Goiás.
- 2513 [CP 236A] SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Oct 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2521 [CP 225] F Moscardi. *Deois* sp. [Hemiptera: Cercopidae]. 1983. Brazil: CNPS, Londrina, Paraná.
- 2548 SV Krueger ← FL Consolie and MG Villani. *Popillia japonica* [Coleoptera: Scarabaeidae]. Oct 1987. USA: Sleepy Hollow, New York.
- 2574 Acc'd 11 Jul 1988. Location not specified.
- 2628 [CNPAF Pl-88; CP 243] DW Roberts ← Planalsucar. 23 May 1988. Brazil: Carpina, Pernambuco.
- 2634 [CNPAF D4; CP 251] DW Roberts ← Dep. Genetica da ISALQ. Mutant of E9 ESMC parent. Rec'd 23 Nov 1988. Brazil: Piracicaba, São Paulo.
- 2635 [CNPAF 88-5-6B; CP 253] DW Roberts ← E Dias Quintela. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 6 May 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2805 GW Riethmacher (B13m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 11 Apr 1989. Philippines: Atok, Benguet.
- 2806 GW Riethmacher (B14m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 4 May 1989. Philippines: Atok, Benguet.
- 2941 [CP 272] SP Wraight ← DR Sosa-Gómez. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2949 [CP 277] SP Wraight ← CA da Silva, EC de Moura, GS de Sá and SM dos Santos. [Isoptera]. 19 Jan 1989. Brazil: CNPAF, Goiânia, Goiás.
- 2951 [CP 285] SP Wraight ← C Czepak. [Isoptera]. 9 Nov 1989. Brazil: CNPAF, Goiânia, Goiás.
- 3056 [MAF F11] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Canterbury Plains, South Island.
- 3057 [MAF F12] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3064 [MAF F25] T Glare. Larva, [Lepidoptera: Crambidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island.
- 3127 [IMI 168777ii] C Prior ← M Tulloch. *Schistocerca gregaria* [Orthoptera: Acrididae]. 1974. Laboratory manipulation.
- 3146 INRA (Ma-70). *Anagyrus* sp. [Hymenoptera: Encyrtidae]. Aug 1972. Mexico.
- 3147 INRA (Ma-152) ← G Riba. [Hemiptera: Cercopidae]. Dec 1981. Brazil.
- 3148 INRA (Ma-181) ← A Caudal. *Haphochelus marginalis* [Coleoptera]. May 1983. France: Réunion.
- 3190 GW Riethmacher (B44a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 17 May 1990. Philippines: La Trinidad, Benguet.
- 3194 GW Riethmacher (B47a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Jun 1990. Philippines: Villasis, Pangasinan.
- 3196 GW Riethmacher (B48). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 13 Jun 1990. Philippines: Baguín City, Benguet.
- 3290 J Gutierrez Samperio (6) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1988. Mexico: Colima.
- 3291 J Gutierrez Samperio (7) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3292 J Gutierrez Samperio (8) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3293 J Gutierrez Samperio (9) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3305 J Gutierrez Samperio (21) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.

- 3306 J Gutierrez Samperio (22) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3307 J Gutierrez Samperio (23) ← ERD Reyes. [Hemiptera: Cercopidae] on sugar cane. 1990. Mexico: Colima.
- 3308 J Gutierrez Samperio (24) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3329 DW Roberts ← AS Martins (A-1). 3rd instar larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Spring 1988. Portugal: Terceira Island, Azores.
- 3330 SV Krueger (MaJB1). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3331 SV Krueger (MaJB2). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3332 SV Krueger (MaJB3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3333 SV Krueger (MaJB6). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3334 SV Krueger (MaJB7). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3335 SV Krueger (MaJB8). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3336 SV Krueger (MaJB9). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3337 SV Krueger (MaJB10). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3338 SV Krueger (MaJB11). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3339 SV Krueger (MaJB12). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3340 SV Krueger (MaJB13). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3389 I Majchrowicz (T-11-4). *Tribolium castaneum* [Coleoptera: Tenebrionidae] on apple. 16 Jul 1991. USA: Seto Farm, Granger, Washington.
- 3479 CENARGEN (CG 339). [Coleoptera: Scarabaeidae]. 1991. Brazil: Brasília, Distrito Federal.
- 3541 M Brownbridge (B-5). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 27 Nov 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.
- 3542 M Brownbridge (B-18). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 27 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3544 M Brownbridge (B-35). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3565 M Brownbridge (B-36). Rec'd 10 Jan 1992. Location not specified.
- 3605 [CSIRO FI 1039] IMI (I90-574). *Acrotylus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Pakistan.
- 3619 IMI (I91-676). *Oxya multidentata* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Pakistan.
- 3713 RA LeBrun ← J Hanula (C-5). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 3 Jun 1991. USA: Clinton, Connecticut.
- 3720 RA LeBrun ← J Hanula. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 20 May 1991. USA: Windsor, Connecticut.
- 3822 [ARSEF 2153] N Underwood (ARSEF2153). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 8 Jan 1993. Laboratory manipulation.
- 3827 CF Andrade (IF#1). Larva, *Ochlerotatus triseriatus* [Diptera: Culicidae]. 11 May 1992. USA: Stair Park, Vestal, NY.
- 3918 DR Sosa-Gómez (CNPSo-MA2). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.
- 3919 DR Sosa-Gómez (CNPSo-Ma3). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.
- 3920 DR Sosa-Gómez (CNPSo-Ma4). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.
- 3930 DR Sosa-Gómez (CNPSo-Bb49). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 4095 LA Lacey (94005). [Hemiptera: Cicadidae]. Rec'd 28 Mar 1994. Brazil.
- 4125 [DAT 2] AC Rath (F124). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 2 May 1986. Australia.
- 4132 [DAT 11] AC Rath (F011). Larva, *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Eyre Penninsular, South Australia.
- 4133 [DAT 12] AC Rath (F012). Larva, *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Aldgate, South Australia.
- 4134 [DAT 14] AC Rath (F014). Larva, *Sericethis* sp. [Coleoptera: Scarabaeidae]. 8 May 1986. Australia: Laboratory, Newtown, Tasmania.
- 4137 [DAT 19] AC Rath (F019). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1986. Australia: Laboratory, Newtown, Tasmania.
- 4138 [DAT 20] AC Rath (F020). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1 Dec 1986. Australia: NW Coast, Tasmania.
- 4139 [DAT 24] AC Rath (F024). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1 Dec 1986. Australia: South Australia.
- 4141 [DAT 29] AC Rath (F029). *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1987. Australia: Woodbury, Tasmania.
- 4142 [DAT 36] AC Rath (F036). *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1987. Laboratory.
- 4151 [DAT 146; H Yip HY215] AC Rath (F146). Soil. 26 Oct 1988. Australia: Mt Morrision, Ross, Tasmania.

- 4155 [DAT 153] AC Rath (F153) ← H Yip (HY208). Soil. 26 Oct 1988. Australia: Westbury, Tasmania.
- 4156 [DAT 156] AC Rath (F156) ← H Yip (HY205). Soil. 26 Oct 1988. Australia: Westbury, Tasmania.
- 4157 [DAT 163] AC Rath (F163) ← H Yip (HY198). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.
- 4159 [DAT 169] AC Rath (F169) ← H Yip (HY192). Soil. 13 Oct 1988. Australia: Melton Mowbray, Tasmania.
- 4160 [DAT 170] AC Rath (F170) ← H Yip (HY191). Soil. 13 Oct 1988. Australia: Colebrook, Tasmania.
- 4161 [DAT 171] AC Rath (F171) ← H Yip (HY190). Soil. 13 Oct 1988. Australia: Conmurra, Tasmania.
- 4162 [DAT 188] AC Rath (F188) ← H Yip (HY173). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.
- 4163 [DAT 190] AC Rath (F190) ← H Yip (HY171). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4166 [DAT 194] AC Rath (F194) ← H Yip (HY167). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4167 [DAT 195] AC Rath (F195) ← H Yip (HY166). Soil. 20 Sep 1988. Australia: Exeter, Tasmania.
- 4168 [DAT 196] AC Rath (F196) ← H Yip (HY165). Soil. 20 Sep 1994. Australia: Frankford, Tasmania.
- 4169 [DAT 197] AC Rath (F197) ← H Yip (HY164). Soil. 20 Sep 1994. Australia: Frankford, Tasmania.
- 4170 [DAT 198] AC Rath (F198) ← H Yip (HY163). Soil. 20 Sep 1994. Australia: Exeter, Tasmania.
- 4171 [DAT 200] AC Rath (F200) ← H Yip (HY161). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4172 [DAT 201] AC Rath (F201) ← H Yip (HY160). Soil. 9 Sep 1988. Australia: Beaconsfield, Tasmania.
- 4173 [DAT 202] AC Rath (F202) ← H Yip (HY159). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4174 [DAT 203] AC Rath (F203) ← H Yip (HY158). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4175 [DAT 204] AC Rath (F204) ← H Yip (HY156). Soil. 9 Sep 1988. Australia: Bridport, Tasmania.
- 4176 [DAT 205] AC Rath (F205) ← H Yip (HY157). Soil. 9 Sep 1988. Australia: Beechford, Tasmania.
- 4177 [DAT 206] AC Rath (F206) ← H Yip (HY155). Soil. 9 Sep 1988. Australia: Effingham, Beechford, Tasmania.
- 4178 [DAT 207] AC Rath (F207) ← H Yip (HY154). Soil. 9 Sep 1988. Australia: Effingham, Beechford, Tasmania.
- 4180 [DAT 209] AC Rath (F209) ← H Yip (HY152). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.
- 4181 [DAT 215] AC Rath (F215) ← H Yip (HY146). Soil. 23 Aug 1988. Australia: Stanley, Tasmania.
- 4183 [DAT 227] AC Rath (F227) ← H Yip (HY134). Soil. 23 Aug 1988. Australia: Leighlands, Perth, Tasmania.
- 4184 [DAT 228] AC Rath (F228) ← H Yip (HY133). Soil. 23 Aug 1988. Australia: Leighlands, Perth, Tasmania.
- 4185 [DAT 245] AC Rath (F245) ← H Yip (HY116). Soil. 8 Jul 1988. Australia: Ulverstone, Tasmania.
- 4186 [DAT 246] AC Rath (F246) ← H Yip (HY115). Soil. 8 Jul 1988. Australia: Forth, Tasmania.
- 4187 [DAT 248] AC Rath (F248) ← H Yip (HY113). Soil. 8 Jul 1988. Australia: Forcett, Tasmania.
- 4188 [DAT 249] AC Rath (F249) ← H Yip (HY112). Soil. 8 Jul 1988. Australia: Forcett, Tasmania.
- 4189 [DAT 252] AC Rath (F252) ← H Yip (HY108). Soil. Rec'd 9 May 1994. Australia: Forcett, Tasmania.
- 4190 [DAT 253] AC Rath (F253) ← H Yip (HY207). Soil. 8 Jun 1988. Australia: Copping, Tasmania.
- 4191 [DAT 254] AC Rath (F254) ← H Yip (HY106). Soil. 8 Jun 1988. Australia: Copping, Tasmania.
- 4192 [DAT 331] AC Rath (F331) ← H Yip (HY027). Soil. 6 Jan 1988. Australia: Launceston, Tasmania.
- 4220 [DAT 177] AC Rath (F177) ← H Yip (HY184). Soil. 5 Oct 1988. Australia: Snug, Tasmania.
- 4224 [DAT 180] AC Rath (F180) ← H Yip (HY181). Soil. 26 Sep 1988. Australia: Branxholm, Tasmania.
- 4225 [DAT 185] AC Rath (F185) ← H Yip (HY176). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.
- 4226 [DAT 221] AC Rath (F221) ← H Yip (HY140). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4229 [DAT 179] AC Rath (F179) ← H Yip (HY182). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.
- 4230 [DAT 212] AC Rath (F212) ← H Yip (HY149). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4232 [DAT 106] AC Rath (F106). Soil. 14 Jan 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.
- 4234 [DAT 119] AC Rath (F119). Larva, *Oncopera intrucata* [Lepidoptera: Hepialidae]. 2 Jan 1988. Australia: Richmond, Tasmania.
- 4235 [DAT 214] AC Rath (F214) ← H Yip (HY147). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.
- 4236 [DAT 13] AC Rath (F013). Larva, *Sericethis* sp. [Coleoptera: Scarabaeidae]. 5 Aug 1986. Australia: Laboratory, Newtown, Tasmania.
- 4239 [DAT 34] AC Rath (F034). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Laboratory.
- 4242 [DAT 45] AC Rath (F045) ← RJ Milner (F1121). Host not specified. 20 Oct 1987. Australia: New South Wales.
- 4244 [DAT 187] AC Rath (F187) ← H Yip (HY174). Soil. 26 Sep 1988. Australia: Branxholm, Tasmania.
- 4246 [DAT 114] AC Rath (F114). Soil. 14 Jan 1988. Australia: Avoca, Tasmania.
- 4247 [DAT 182] AC Rath (F182) ← H Yip (HY179). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.
- 4248 [DAT 183] AC Rath (F183) ← H Yip (HY178). Soil. 26 Sep 1988. Australia: St Helens, Tasmania.
- 4249 [DAT 77] AC Rath (F077) ← H Yip. Soil. 1 Dec 1987. Australia: Lavender Rarm Rd., Bridport, Tasmania.

- 4250 [DAT 217] AC Rath (F217) ← H Yip (HY144). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4252 [DAT 111] AC Rath (F111). Soil. 13 Feb 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.
- 4253 [DAT 73] AC Rath (F073). Soil. 4 Jan 1988. Australia: Fairfield, Epping Forest, Tasmania.
- 4255 [DAT 107] AC Rath (F107) ← Pearn. Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4256 [DAT 103] AC Rath (F103) ← Pearn. Soil. 14 Jan 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.
- 4257 [DAT 113] AC Rath (F113). Soil. 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4259 [DAT 178] AC Rath (F178) ← H Yip (HY183). Soil. 26 Sep 1988. Australia: Welborough, Tasmania.
- 4262 [DAT 236] AC Rath (F236) ← H Yip (HY125). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.
- 4264 [DAT 337] AC Rath (F337) ← H Yip (HY22). Soil. 6 Jan 1988. Australia: The Braes, Woodbury, Tasmania.
- 4265 [DAT 216] AC Rath (F216) ← H Yip (HY145). Soil. 23 Aug 1988. Australia: Irishtown, Tasmania.
- 4266 [DAT 100] AC Rath (F100) ← Pearn. Soil. 13 Jan 1988. Australia: Avoca, Tasmania.
- 4267 [DAT 244] AC Rath (F244) ← H Yip (HY117). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.
- 4268 [DAT 96] AC Rath (F096). Soil. 7 Jan 1988. Australia: Mt. Wellington, Hobart, Tasmania.
- 4269 [DAT 174] AC Rath (F174) ← H Yip (HY187). Soil. 5 Oct 1988. Australia: Snug, Tasmania.
- 4270 [DAT 172] AC Rath (F172) ← H Yip (HY189). Soil. 13 Oct 1988. Australia: Colebrook, Tasmania.
- 4275 [DAT 230] AC Rath (F230) ← H Yip (HY131). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.
- 4278 [DAT 94] AC Rath (F094). Soil. 20 Jan 1988. Australia: Fairfield, Epping Forest, Tasmania.
- 4279 [DAT 218] AC Rath (G218) ← H Yip (HY143). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4280 [DAT 154] AC Rath (F154) ← H Yip (HY207). Soil. 26 Oct 1988. Australia: Tasmania.
- 4281 [DAT 155] AC Rath (F155) ← H Yip (HY206). Soil. 26 Oct 1988. Australia: Cressy, Tasmania.
- 4282 [DAT 229] AC Rath (F229) ← H Yip (HY132). Soil. 18 Jul 1988. Australia: Leighlands, Perth, Tasmania.
- 4283 [DAT 89] AC Rath (F089). Soil. 5 Dec 1987. Australia: Fairfield, Epping Forest, Tasmania.
- 4284 [DAT 306] AC Rath (F306) ← H Yip (HY53). Soil. 19 Feb 1988. Australia: Benham, Avoca, Tasmania.
- 4286 [DAT 167] AC Rath (F167) ← H Yip (HY194). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.
- 4287 [DAT 186] AC Rath (F186) ← H Yip (HY175). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.
- 4288 [DAT 275] AC Rath (F275) ← H Yip (HY85). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4290 [DAT 493] AC Rath (F493) ← W Theunis (SOL IS 17). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4291 [DAT 386] AC Rath (F386) ← H Yip (HY246). Soil. Rec'd 6 Jun 1994. Australia: Epping Forest, Tasmania.
- 4292 [DAT 379] AC Rath (F379) ← H Yip (HY239). Soil. Rec'd 6 Jun 1994. Australia: Smithton, Tasmania.
- 4293 [DAT 326] AC Rath (F326) ← H Yip (HY33). Soil. Rec'd 6 Jun 1994. Australia: Epping Forest, Tasmania.
- 4295 [DAT 448] AC Rath (F448) ← H Yip (HY280). Soil. Rec'd 6 Jun 1994. Australia: Bruny Island, Tasmania.
- 4296 [DAT 165] AC Rath (F165) ← H Yip (HY196). Soil. Rec'd 6 Jun 1994. Australia: Dover, Tasmania.
- 4298 [DAT 160] AC Rath (F160) ← H Yip (HY201). Soil. Rec'd 6 Jun 1994. Australia: Bracknell, Tasmania.
- 4299 [DAT 97] AC Rath (F097). Soil. Rec'd 6 Jun 1994. Australia: Benham Estate, Benham, Avoca.
- 4306 [DAT 274] AC Rath (F274) ← H Yip (HY86). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4307 [DAT 293] AC Rath (F293) ← H Yip (HY67). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4308 [DAT 321] AC Rath (F321) ← H Yip (HY38). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4309 [DAT 364] AC Rath (F364) ← H Yip (HY217). Soil. Rec'd 6 Jun 1994. Australia: Buckland, Tasmania.
- 4310 [DAT 320] AC Rath (F320) ← H Yip (HY39). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4311 [DAT 325] AC Rath (F325) ← H Yip (HY34). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4312 [DAT 322] AC Rath (F322) ← H Yip (HY37). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4313 [DAT 315] AC Rath (F315) ← H Yip (HY44). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4314 [DAT 324] AC Rath (F324) ← H Yip (HY35). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4315 [DAT 314] AC Rath (F314) ← H Yip (HY45). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4316 [DAT 319] AC Rath (F319) ← H Yip (HY40). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

- 4317 [DAT 317] AC Rath (F317) ← H Yip (HY42). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4318 [DAT 318] AC Rath (F318) ← H Yip (HY41). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4319 [DAT 316] AC Rath (F316) ← H Yip (HY43). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4322 [DAT 397] AC Rath (F397) ← H Yip (HY257). Soil. Rec'd 6 Jun 1994. Australia: Colebrook, Tasmania.
- 4323 [DAT 285] AC Rath (F285) ← H Yip (HY75). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Tasmania.
- 4324 [DAT 282] AC Rath (F282) ← H Yip (HY78). Soil. Rec'd 6 Jun 1994. Australia: View Point, Campbelltown, Tasmania.
- 4325 [DAT 279] AC Rath (F279) ← H Yip (HY81). Soil. Rec'd 6 Jun 1994. Australia: View Point, Campbelltown, Tasmania.
- 4327 [DAT 291] AC Rath (F291) ← H Yip (HY69). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4328 [DAT 273] AC Rath (F273) ← H Yip (HY87). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4329 [DAT 287] AC Rath (F287) ← H Yip (HY73). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4330 [DAT 283] AC Rath (F283) ← H Yip (HY77). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4331 [DAT 286] AC Rath (F286) ← H Yip (HY74). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Interlaken, Tasmania.
- 4332 [DAT 289] AC Rath (F289) ← H Yip (HY71). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4333 [DAT 483] AC Rath (F483) ← W Theunis (SOL IS 6). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4334 [DAT 492] AC Rath (F492) ← W Theunis (SOL IS 16). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4335 [DAT 484] AC Rath (F484) ← W Theunis (SOL IS 7). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4336 [DAT 488] AC Rath (F488) ← W Theunis (SOL IS 12). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4337 [DAT 490] AC Rath (F490) ← W Theunis (SOL IS 14). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4338 [DAT 486] AC Rath (F486) ← W Theunis (SOL IS 11). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4339 [DAT 485] AC Rath (F485) ← W Theunis (SOL IS 10). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4340 [DAT 489] AC Rath (F489) ← W Theunis (SOL IS 14). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4341 [DAT 487] AC Rath (F487) ← W Theunis (SOL IS 12). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4343 [DAT 496] AC Rath (F496). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4344 [DAT 497] AC Rath (F497). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4345 [DAT 498] AC Rath (F498). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4346 [DAT 33] AC Rath (F033). *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. Rec'd 6 Jun 1994. Australia: Woodbury, Tasmania.
- 4347 [DAT 323] AC Rath (F323) ← H Yip (HY36). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4348 [DAT 284] AC Rath (F284) ← H Yip (HY76). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4349 [DAT 290] AC Rath (F290) ← H Yip (HY70). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Interlaken, Tasmania.
- 4350 [DAT 382] AC Rath (F382) ← H Yip (HY242). Soil. Rec'd 6 Jun 1994. Australia: Evandale, Tasmania.
- 4351 [DAT 383] AC Rath (F383) ← H Yip (HY241). Soil. Rec'd 6 Jun 1994. Australia: Campbelltown, Tasmania.
- 4352 [DAT 384] AC Rath (F384) ← H Yip (HY244). Soil. Rec'd 6 Jun 1994. Australia: Beaconsfield, Tasmania.
- 4354 [DAT 365] AC Rath (F365) ← H Yip (HY216). Soil. Rec'd 6 Jun 1994. Australia: Mt. Morriston, Ross, Tasmania.
- 4355 [DAT 157] AC Rath (F157) ← H Yip (HY204). Soil. Rec'd 6 Jun 1994. Australia: Westbury, Tasmania.
- 4357 [DAT 446] AC Rath (F446) ← H Yip (HY278). Soil. Rec'd 6 Jun 1994. Australia: Bothwell, Tasmania.
- 4450 LA Lacey (94105). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4522 JD Vandenberg (DBM11C). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4556 [DAT 506; IMI 384583] AC Rath (F506). *Boophilus* sp. [Acari: Ixodidae]. 29 Sep 1993. USA: Florida.
- 4557 [DAT 481] AC Rath (F481). Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4558 Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4560 [DAT 408] AC Rath (F408) ← H Yip (HY268). Host not specified. 23 Nov 1988. Australia: Spreyton, Tasmania.

- 4562 Soil. 10 Jan 1989. Australia: Bruny Island, Tasmania.
- 4563 [DAT 373] AC Rath (F373) ← H Yip (HY233). Soil. 30 Sep 1988. Australia: Deddington, Tasmania.
- 4565 [DAT 263] AC Rath (F263) ← H Yip (HY97). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4567 [DAT 122] AC Rath (F122). Soil. 1 Mar 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4568 [DAT 510] AC Rath (F510). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 11 Feb 1994. Australia: New South Wales.
- 4569 [DAT 495] AC Rath (F495). Soil. 22 Jun 1993. Australia: Macquarie Island.
- 4570 [DAT 494] AC Rath (F494). Soil. 22 Jun 1993. Australia: Macquarie Island.
- 4572 [DAT 479] AC Rath (F479) ← W Theunis (SOL IS 2). 3rd instar larva, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4573 [DAT 361] AC Rath (F361) ← H Yip (HY220). Soil. 6 Oct 1988. Australia: Cethana, Tasmania.
- 4574 [DAT 516] AC Rath (F516). 3rd instar larva, *Anoplognathus hirsutus* [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New England, New South Wales.
- 4576 [DAT 399] AC Rath (F399) ← H Yip (HY259). Soil. 28 Sep 1988. Australia: Cressy, Tasmania.
- 4577 [DAT 415] AC Rath (F415) ← H Yip (HY275). Soil. 3 Nov 1988. Australia: Whitefoord, Tasmania.
- 4578 [DAT 257] AC Rath (F257) ← H Yip (HY224). Soil. 1 Dec 1988. Australia: Bruny Island, Tasmania.
- 4579 [DAT 101] AC Rath (F101). Soil. 13 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4581 [DAT 235] AC Rath (F235) ← H Yip (HY126). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4582 [DAT 478] AC Rath (F478) ← W Theunis (SOL IS1). 3rd instar larva, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4584 [DAT 391] AC Rath (F391) ← H Yip (HY251). Soil. 22 Jun 1988. Australia: Beaconsfield, Tasmania.
- 4585 [DAT 398] AC Rath (F398) ← H Yip (HY258). Soil. 19 Sep 1988. Australia: Snug, Tasmania.
- 4586 [DAT 311] AC Rath (F311) and H Yip (HY48). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania.
- 4590 [DAT 414] AC Rath (F414) ← H Yip (HY274). Soil. 11 Mar 1988. Australia: Whitefoord, Tasmania.
- 4591 [DAT 300] AC Rath (F300) ← H Yip (HY59). Soil. 29 Feb 1988. Australia: Jericho, Tasmania.
- 4592 [DAT 35] AC Rath (F035). Soil. 1987. Australia: Woodbury, Tasmania.
- 4593 [DAT 265] AC Rath (F265) ← H Yip (HY95). Soil. 6 Mar 1988. Australia: Leighlands, Perth, Tasmania.
- 4594 [DAT 338] AC Rath (F338) ← H Yip (HY21). Soil. Spring 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4595 [DAT 296] AC Rath (F296) ← H Yip (HY63). Soil. 22 Mar 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4596 [DAT 380] AC Rath (F380) ← H Yip (HY240). Soil. 16 Jun 1988. Australia: Smithton, Tasmania.
- 4599 [DAT 231] AC Rath (F231) ← H Yip (HY130). Soil. 18 Jul 1988. Australia: Leighlands, Perth, Tasmania.
- 4600 [DAT 470] AC Rath (F470). Larva, *Boreoides tasmaniensis* [Diptera: Stratiomyidae]. 13 Oct 1991. Australia: Huonville, Tasmania.
- 4602 [DAT 239] AC Rath (F239) ← H Yip (HY122). Soil. 8 Jul 1988. Australia: Preston, Tasmania.
- 4603 [DAT 359] AC Rath (F359) ← H Yip (HY222). Soil. 26 Oct 1988. Australia: Ormley, Tasmania.
- 4606 [DAT 339] AC Rath (F339) ← H Yip (HY20). Soil. 5 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4608 [DAT 117] AC Rath (F117). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4609 [DAT 271] AC Rath (F271) ← H Yip (HY89). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4613 [DAT 371] AC Rath (F371) ← H Yip (HY231). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 4614 [DAT 79] AC Rath (F079). Soil. 24 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4617 [DAT 292] AC Rath (F292) ← H Yip (HY68). Soil. 22 Mar 1988. Australia: York Plains, Tasmania.
- 4618 [DAT 402] AC Rath (F402) ← H Yip (HY262). Soil. 28 Sep 1988. Australia: Ross, Tasmania.
- 4619 [DAT 255] AC Rath (F255) ← H Yip (HY105). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.
- 4620 [DAT 469] AC Rath (F469). Larva, *Boreoides tasmaniensis* [Diptera: Stratiomyidae]. 31 Oct 1991. Australia: Franklin, Tasmania.
- 4623 [DAT 71] AC Rath (F071). Soil. 23 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4624 [DAT 260] AC Rath (F260) ← H Yip (HY100). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4625 [DAT 93] AC Rath (F093). Soil. 20 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4626 [DAT 394] AC Rath (F394) ← H Yip (HY254). Soil. 22 Jun 1988. Australia: Bridport, Tasmania. Very small spores, looking much like *M. flavoviride*.
- 4627 [DAT 110] AC Rath (F110). Soil. 14 Jan 1988. Australia: Glengor Benham, Avoca, Tasmania.
- 4629 [DAT 164] AC Rath (F164) ← H Yip (HY197). Soil. 13 Oct 1988. Australia: Cambridge, Tasmania.
- 4630 [DAT 474] AC Rath (F474) ← W Theunis (PNG 2A). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea: Lae, Morobe Province.
- 4631 [DAT 301] AC Rath (F301) ← H Yip (HY58). *Papuana* or cicada. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.

- 4632 [DAT 313] AC Rath (F313) ← H Yip (HY46). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania.
- 4633 [DAT 269] AC Rath (F269) ← H Yip (HY91). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4634 [DAT 340] AC Rath (F340) ← H Yip (HY19). Soil. 4 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4635 [DAT 233] AC Rath (F233) ← H Yip (HY128). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4636 [DAT 158] AC Rath (F258) ← H Yip (HY203). Soil. 26 Oct 1988. Australia: Railton, Tasmania.
- 4637 [DAT 262] AC Rath (F262) ← H Yip (HY95). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4638 [DAT 295] AC Rath (F29d) ← H Yip (HY65). Soil. 2 Mar 1988. Australia: Interlaken, Interlaken, Tasmania. With short, nearly ovoid, conidia.
- 4639 [DAT 272] AC Rath (F272) ← H Yip (HY88). Soil. 25 May 1988. Australia: Connerville, Poatina, Tasmania.
- 4640 [DAT 392] AC Rath (F392) ← H Yip (HY252). Soil. 16 Jun 1988. Australia: Edith Creek, Tasmania.
- 4641 [DAT 303] AC Rath (F303) ← H Yip (HY56). Soil. 29 Feb 1988. Australia: Avoca, Tasmania.
- 4643 [DAT 222] AC Rath (F222) ← H Yip (HY139). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4645 [DAT 341] AC Rath (F341) ← H Yip (HY18). Soil. 2 Jan 1988. Australia: Lavender Farm, Lilydale, Tasmania.
- 4646 [DAT 108] AC Rath (F108). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4647 [DAT 270] AC Rath (F270) ← H Yip (HY90). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4648 [DAT 450] AC Rath (F450) ← H Yip (HY282). Soil. 10 Jan 1989. Australia: Waddamana, Tasmania.
- 4649 [DAT 80] AC Rath (F080). Soil. 24 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4650 [DAT 264] AC Rath (F264) ← H Yip (HY96). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4651 [DAT 240] AC Rath (F240) ← H Yip (HY121). Soil. 8 Jul 1988. Australia: Carrick, Tasmania.
- 4652 [DAT 458] AC Rath (F458). Host not specified. Rec'd 1 Sep 1994. Australia: Tasmania.
- 4653 [DAT 116] AC Rath (F116). Soil. Rec'd 1 Sep 1994. Australia: Benham Estate, Avoca, Tasmania.
- 4654 [DAT 403] AC Rath (F103) ← H Yip (HY263). Soil. 29 Sep 1988. Australia: Avoca, Tasmania.
- 4655 [DAT 356] AC Rath (F356) ← H Yip (HY225). Soil. 12 Jan 1988. Australia: Bruny Island, Tasmania.
- 4657 [DAT 266] AC Rath (F266) ← H Yip (HY94). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4661 [DAT 220] AC Rath (F220) ← H Yip (HY141). Soil. 23 Mar 1988. Australia: Burnie, Tasmania.
- 4663 [DAT 396] AC Rath (F396) ← H Yip (HY256). Soil. 22 Jun 1988. Australia: Tonganah, Tasmania.
- 4664 [DAT 389] AC Rath (F389) ← H Yip (HY249). Soil. 16 Jun 1988. Australia: Wynyard, Tasmania.
- 4665 [DAT 242] AC Rath (F242) ← H Yip (HY119). Soil. 8 Jul 1988. Australia: Latrobe, Tasmania.
- 4668 [DAT 378] AC Rath (F378) ← H Yip (HY238). Soil. 22 Jun 1988. Australia: Bridport, Tasmania.
- 4669 [DAT 372] AC Rath (F372) ← H Yip (HY232). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 4671 [DAT 447] AC Rath (F447) ← H Yip (HY279). Soil. 10 Jan 1989. Australia: Bothwell, Tasmania.
- 4673 [DAT 401] AC Rath (F401) ← H Yip (HY261). Soil. 28 Sep 1988. Australia: Cressy, Tasmania.
- 4674 [DAT 368] AC Rath (F368) ← H Yip (HY228). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 4676 [DAT 390] AC Rath (F390) ← H Yip (HY250). Soil. 23 Jun 1988. Australia: St Helens, Tasmania.
- 4677 [DAT 433] AC Rath (F433). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Summer 1990. Australia: Dairy Research Unit, Elliott, Tasmania.
- 4678 [DAT 98] AC Rath (F098). Soil. 6 Jan 1988. Australia: The Braes, Woodbury, Tasmania.
- 4681 [DAT 508] AC Rath (F508). Larva, *Wiseana* sp. [Lepidoptera: Hepialidae]. 17 Nov 1993. New Zealand: Waitati, Dunedin, South Island.
- 4682 [DAT 411] AC Rath (F411) ← H Yip (HY271). Soil. 3 Nov 1988. Australia: Whiteford, Tasmania.
- 4683 [DAT 237] AC Rath (F237) ← H Yip (HY124). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.
- 4684 [DAT 258] AC Rath (F258) ← H Yip (HY102). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.
- 4687 [DAT 395] AC Rath (F395) ← H Yip (HY255). Soil. 17 Jun 1988. Australia: Burnie, Tasmania.
- 4716 [DAT 28] AC Rath (F028). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Australia: Woodbury, Tasmania.
- 4717 [DAT 74] AC Rath (F074). Soil. 23 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4718 [DAT 123] AC Rath (F123). Soil. 1 Mar 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4722 [DAT 141] AC Rath (F141). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Wilmot, Tasmania.
- 4723 [DAT 159] AC Rath (F159) ← H Yip (HY202). Soil. 26 Oct 1988. Australia: Bracknell, Tasmania.
- 4724 [DAT 161] AC Rath (F161) ← H Yip (HY200). Soil. 26 Oct 1988. Australia: Campbelltown, Tasmania.
- 4725 [DAT 162] AC Rath (F162) ← H Yip (HY162). Soil. 13 Oct 1988. Australia: Franklin, Tasmania.
- 4726 [DAT 181] AC Rath (F181) ← H Yip (HY180). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.

- 4731 [DAT 257] AC Rath (F257) ← H Yip (HY103). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.
- 4732 [DAT 262] AC Rath (F262) ← H Yip (HY99). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4733 [DAT 263] AC Rath (F263) ← H Yip (HY97). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4734 [DAT 267] AC Rath (F267) ← H Yip (HY93). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4735 [DAT 268] AC Rath (F268) ← H Yip (HY92). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4736 [DAT 277] AC Rath (F277) ← H Yip (HY83). Soil. 19 Apr 1988. Australia: Campbelltown, Tasmania.
- 4737 [DAT 294] AC Rath (F294) ← H Yip (HY66). Soil. 22 Mar 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4738 [DAT 297] AC Rath (F297) ← H Yip (HY62). Soil. 22 Mar 1988. Australia: Tervue, York Plains, Tasmania.
- 4740 [DAT 302] AC Rath (F302) ← H Yip (HY57). Soil. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.
- 4743 [DAT 344] AC Rath (F344) ← H Yip (HY15). Soil. 31 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4746 [DAT 349] AC Rath (F349) ← H Yip (HY9). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4747 [DAT 350] AC Rath (F350) ← H Yip (HY8). Soil. 24 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4748 [DAT 351] AC Rath (F351) ← H Yip (HY7). Soil. 24 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4749 [DAT 352] AC Rath (F352) ← H Yip (HY6). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4752 [DAT 355] AC Rath (F355) ← H Yip (HY226). Soil. 12 Jun 1988. Australia: Bruny Island, Tasmania.
- 4753 [DAT 362] AC Rath (F362) ← H Yip (HY219). Soil. 26 Oct 1988. Australia: Sheffield, Tasmania.
- 4754 [DAT 363] AC Rath (F363) ← H Yip (HY218). Soil. 26 Oct 1988. Australia: Sheffield, Tasmania.
- 4757 [DAT 374] AC Rath (F374) ← H Yip (HY234). Soil. 30 Sep 1988. Australia: Ben Lomond, Tasmania.
- 4758 [DAT 377] AC Rath (F377) ← H Yip (HY237). Soil. 22 Jun 1988. Australia: Beaconsfield, Tasmania.
- 4759 [DAT 388] AC Rath (F388) ← H Yip (HY248). Soil. 23 Jun 1988. Australia: St Mary's, Tasmania.
- 4760 [DAT 400] AC Rath (F400) ← H Yip (HY260). Soil. 19 Sep 1988. Australia: Cygnet, Tasmania.
- 4761 [DAT 404] AC Rath (F404) ← H Yip (HY264). Soil. 19 Sep 1988. Australia: Woodbridge, Tasmania.
- 4762 [DAT 405] AC Rath (F405) ← H Yip (HY265). Soil. 1 Sep 1988. Australia: Colebrook, Tasmania.
- 4763 [DAT 406] AC Rath (F406) ← H Yip (HY266). Soil. Rec'd 23 Sep 1994. Australia: Interlaken, Tasmania.
- 4764 [DAT 409] AC Rath (F409) ← H Yip (HY269). Soil. 23 Nov 1988. Australia: Campbelltown, Tasmania.
- 4766 [DAT 413] AC Rath (F413) ← H Yip (HY273). Soil. 3 Nov 1988. Australia: Whiteford, Tasmania.
- 4773 [DAT 477] AC Rath (F477) ← W Theunis (PNG 2B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea.
- 4774 [DAT 499] AC Rath (F499). Soil. 22 Jun 1993. Australia: Macquarie Island, Tasmania.
- 4777 [DAT 507] AC Rath (F507). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 25 Oct 1993. Australia: Glen Innes, New England, New South Wales.
- 4778 [DAT 511] AC Rath (F511). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 11 Feb 1994. Australia: New South Wales.
- 4779 [DAT 512] AC Rath (F512). 3rd instar larva, *Anoplognathus hirsutus* [Coleoptera: Scarabaeidae]. 24 Feb 1994. Australia: Glen Innes, New England, New South Wales.
- 4780 [DAT 513] AC Rath (F513). Larva, *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New England, New South Wales.
- 4819 JD Vandenberg (63). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4820 JD Vandenberg (18). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4821 JD Vandenberg (29). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4822 JD Vandenberg (JP1). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4823 JD Vandenberg (21). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4824 JD Vandenberg (29-2). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4862 BL Parker (AVRDC-0440B). Soil Eggplant. 6 Oct 1994. Republic of China: Chi-Nan, Taiwan.
- 4865 BL Parker (AVRDC-0492B). Soil Eggplant. 10 Nov 1994. Republic of China: Chi-Nan, Taiwan.

- 4901 LA Lacey (95003). [Hemiptera]. Rec'd 27 Apr 1995. Location not specified.
- 4902 LA Lacey (95004). [Hemiptera]. Rec'd 27 Apr 1995. Location not specified.
- 4904 LA Lacey (95006). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.
- 4905 LA Lacey (95007). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.
- 4906 LA Lacey (95008). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.
- 4907 LA Lacey (95009). *Popillia japonica* [Coleoptera: Scarabaeidae]. Dec 1994. Portugal: Terceira Island, Azores.
- 4908 LA Lacey (95010). *Popillia japonica* [Coleoptera: Scarabaeidae]. Dec 1994. Portugal: Terceira Island, Azores.
- 4925 LA Lacey (95027). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4926 LA Lacey (95028). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4927 LA Lacey (95029). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4928 LA Lacey (95030). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4929 LA Lacey (95031). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4930 LA Lacey (95032). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5161 DR Sosa-Gómez (CNPSO-Ma12). Soil. 5 Jan 1990. Brazil: Mauá, Paraná.
- 5369 I Klingen (NCRI 1-96 (01)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (marine calcareous soil). 16 Sep 1996. Norway: Potato land (63.57° N), Åfjord, Sør Trøndelag.
- 5469 TJ Poprawski (TJP934). Larva, *Eoreuma loftini* [Lepidoptera: Pyralidae]. Rec'd 9 May 1997. USA: sugarcane field, Weslaco, Texas.
- 5513 I Klingen (PVF 10.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5514 I Klingen (PVF 10.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5515 I Klingen (PVF 4.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5516 I Klingen (PVF 6). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5517 I Klingen (PVF 9.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5518 I Klingen (TØF 22.4). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5519 I Klingen (TØF 22.5). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5520 I Klingen (TØF 22.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5521 I Klingen (TØF 25.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5554 I Klingen (F1C.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.
- 5555 I Klingen (F2C.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.
- 5556 I Klingen (F3D.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.
- 5624 I Vänninen (SF85-60). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Lapinjärvi, Uudenmaan Lääni.
- 5628 ST Jaronski (ER1). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5715 JM Sung (KEFC-356). Rec'd 11 May 1998.
- 5716 JM Sung (KEFC-642). Rec'd 11 May 1998.
- 5717 JM Sung (KEFC-835). Rec'd 11 May 1998.
- 5746 MCHCA Bernal (MaPL6). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.
- 5749 MCHCA Bernal (MaPL35). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.
- 5752 MCHCA Bernal (MaPL41). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1996. Mexico: Parral, Chiapas.
- 5837 T Steenberg (SSL 14). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from larva of *Agrotis segetum* [Lepidoptera: Noctuidae].
- 5841 T Steenberg (SSL 32). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Anotylus* sp. [Coleoptera: Staphylinidae].
- 5842 T Steenberg (SSL 50). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.

- 5848 T Steenberg (SSL 75). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from larvae of an unidentified beetle [Coleoptera].
- 5850 T Steenberg (SSL 84). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified beetle [Coleoptera].
- 5851 T Steenberg (SSL 248). [Araneida] on *Medicago sativa*. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 6167 M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1998. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to field collected soil.
- 6236 [RCEF 0386] [Phasmatodea: Phasmatidae]. 20 Sep 1997. PR China: Anhui.
- 6237 [RCEF 0389] [Orthoptera]. Rec'd 24 Aug 1999. PR China: Anhui.
- 6319 Adult, male, *Aeneolamia varia* [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6321 Adult, male, *Mahanarva* sp. [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6322 Adult, male, *Mahanarva* sp. [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6323 Adult, female, *Zulia pubescens* [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6324 Nymph, 16 Feb 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6326 5th instar larva, 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6342 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 12 Feb 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6343 Nymph, *Aeneolamia varia* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6345 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6346 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6356 4th instar larva, *Zulia colombiana* [Hemiptera: Cercopidae]. 22 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6360 Adult, *Tagosodes orizicolus*. Jun 1998. Colombia: CIAT Farm, Palmira, Valle.
- 6388 TL Dubois (FS 3 # 1 (3)) ← SM Smith ← V D'Amico. Larva, late instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. 19 Mar 1999. USA: Laboratory colony, USDA Forest Service, Hamden, Connecticut. Laboratory colony started from host originally obtained from infested maple wood collected in Chicago, Illinois, USA 5 March 1999.
- 6389 TL Dubois (SS 1 # 2 (1)) ← SM Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from wood of *Acer* sp. 23 Mar 1999. USA: USDA APHIS ANG Base, Otis, Massachusetts. Laboratory colony started from host originally obtained from infested maple wood collected in Chicago, Illinois, USA 5 March 1999.
- 6414 EA Ouna (Kutui-10). Rec'd 22 Dec 1999.
- 6415 EA Ouna (Sudan P1 (a)). Rec'd 22 Dec 1999.
- 6417 EA Ouna (Sudan 4 (a)). Rec'd 22 Dec 1999.
- 6457 [CIAT 042] D Peck. Adult, *Zulia carbonaria* [Hemiptera: Cercopidae]. 13 Jul 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6468 [CIAT 053] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 2 Jun 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6475 I Klingen (HVI.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Fall 1999. Norway: Hvitvingfoss, Buskerud.
- 6549 D Chandler (HRI 189.83). *Otiorynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6551 D Chandler (HRI 335.92). Larva, *Agriotes* sp. [Coleoptera: Elateridae]. Rec'd 13 Jul 2000. United Kingdom.
- 6558 D Chandler (HRI 378.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.
- 6570 D Chandler (HRI 391.93). *Pemphigus trehernei* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom: coastal salt marshes, Norfolk, England.
- 6670 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Harae, Northern Shoa.
- 6671 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Shewa Robin, Northern Shoa.
- 6672 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Kewot, Northern Shoa.
- 6673 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.
- 6674 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rufe Kure, Northern Shoa.
- 6675 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rober, Northern Shoa.
- 6677 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.
- 6678 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Gobenaytu, Northern Shoa.
- 6679 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Sefi Beret, Northern Shoa.

- 6680 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Shewa Robin, Northern Shoa.
- 6682 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rufe Kure, Northern Shoa.
- 6683 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Awaketu, Northern Shoa.
- 6684 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Awaketu, Northern Shoa.
- 6685 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Kewot, Northern Shoa.
- 6694 Phylum Arthropoda, Class Crustacea. Rec'd 17 Jan 2001. Ethiopia: Alamata, Welo.
- 6698 From soil. Rec'd 17 Jan 2001. Ethiopia: Arba Minch.
- 6700 Rec'd 17 Jan 2001. Kenya.
- 6756 GUL Braga and DW Roberts (DWR 86). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.
- 6757 GUL Braga and DW Roberts (DWR 88). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6758 GUL Braga and DW Roberts (DWR 90). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6759 GUL Braga and DW Roberts (DWR 91). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.
- 6760 GUL Braga and DW Roberts (DWR 92). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6761 GUL Braga and DW Roberts (DWR 137). 30 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.
- 6762 GUL Braga and DW Roberts (DWR 138). 30 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6763 GUL Braga and DW Roberts (DWR 146). 7 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6829 GUL Braga and DW Roberts (DWR 45). 24 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP 38 following UV-B exposure.
- 6830 GUL Braga and DW Roberts (DWR 46). 22 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP 38 following UV-B exposure.
- 6831 GUL Braga and DW Roberts (DWR 47). 9 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP CLII following UV-B exposure.
- 6832 GUL Braga and DW Roberts (DWR 48). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.
- 6833 GUL Braga and DW Roberts (DWR 49). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.
- 6834 GUL Braga and DW Roberts (DWR 50). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.
- 6835 GUL Braga and DW Roberts (DWR 51). 1 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (violet) obtained from ARSEF 1095.
- 6836 GUL Braga and DW Roberts (DWR 52). 24 Feb 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (violet) obtained from ARSEF 1095.
- 6837 GUL Braga and DW Roberts (DWR 53). 18 May 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.
- 6838 GUL Braga and DW Roberts (DWR 54). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.
- 6839 GUL Braga and DW Roberts (DWR 55). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.
- 6840 GUL Braga and DW Roberts (DWR 58). 5 Jan 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.
- 6849 GUL Braga and DW Roberts (DWR 67). 11 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6850 GUL Braga and DW Roberts (DWR 71). 23 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6860 GUL Braga and DW Roberts (DWR 167). 20 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

- 6861 GUL Braga and DW Roberts (DWR 168). 16 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellowish green) obtained from ARSEF 23 following UV-B exposure.
- 6862 GUL Braga and DW Roberts (DWR 170). 19 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6863 GUL Braga and DW Roberts (DWR 171). 29 Dec 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6901 I Klingen (NCRI 1/01/Ma). Larva, *Phyllopertha horticola* [Coleoptera: Scarabaeidae] in lawn. 23 May 2001. Norway: Moss, Østfold. **RESTRICTED ACCESS:** consult Curator.
- 6909 JR Fuxa (G-6170). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jun 1999. USA: New Orleans, Louisiana.
- 6910 JR Fuxa (G-6292). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jun 1999. USA: Baton Rouge, Louisiana.
- 6911 JR Fuxa (G-7192). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jul 1999. USA: Lake Charles, Louisiana.
- 6930 ST Jaronski (TM10). Soil plated on oatmeal dodine agar. 2000. USA: D. Danielson Farm, sugarbeet field, Richland County, Montana.
- 6958 ST Jaronski (MA1200). Rec'd 11 Jan 2002.
- 6959 ST Jaronski (MA51A). Rec'd 11 Jan 2002.
- 6960 ST Jaronski (MA71A). Rec'd 11 Jan 2002.
- 6989 GUL Braga and DW Roberts (DWR 142). 11 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6990 GUL Braga and DW Roberts (DWR 144). 16 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6991 GUL Braga and DW Roberts (DWR 145). 11 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6992 GUL Braga and DW Roberts (DWR 147). 1 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6993 GUL Braga and DW Roberts (DWR 148). 7 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6994 GUL Braga and DW Roberts (DWR 069). 26 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (yellow) obtained from ARSEF 23. Formerly IDed as MAA; changed by RAH, 02/2/2009.
- 6995 GUL Braga and DW Roberts (DWR 149). 1 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6996 GUL Braga and DW Roberts (DWR 176). 20 Apr 2001. USA: Utah State University, Department of Biology, Logan, Utah. Revertant (green) obtained from ARSEF 6995 following UV-B exposure.
- 6997 GUL Braga and DW Roberts (DWR 179). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Revertant (green) obtained from ARSEF 6993 following UV-B exposure.
- 6998 GUL Braga and DW Roberts (DWR 180). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (white) obtained from ARSEF 6995 following UV-B exposure.
- 6999 GUL Braga and DW Roberts (DWR 181). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (white) obtained from ARSEF 6995 following UV-B exposure.
- 7000 LA Lacey (YARL 020128-1). Adult, *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7001 LA Lacey (YARL 020128-2). Adult, *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7002 LA Lacey (YARL 020128-3). Adult, *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7003 LA Lacey (YARL 020128-4). Adult, *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7004 LA Lacey (YARL 011219-7). *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7005 LA Lacey (YARL 011219-9). *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7006 LA Lacey (YARL 011219-10). *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7007 LA Lacey (YARL 011219-11). *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7008 LA Lacey (YARL 011219-14). *Limonium canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

- 7009 LA Lacey (YARL 011219-15). *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7014 I Klingen (NCRI 08/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7015 I Klingen (NCRI 09/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7016 I Klingen (NCRI 12/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7017 I Klingen (NCRI 14/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7018 I Klingen (NCRI 17/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7019 I Klingen (NCRI 19/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7020 I Klingen (NCRI 20/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7021 [I Klingen NCRI 21/02] *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7022 I Klingen (NCRI 26/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7023 I Klingen (NCRI 32/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7024 I Klingen (NCRI 40/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7025 I Klingen (NCRI 51/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7026 I Klingen (NCRI 52/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7059 E Groden (Ant 3 / Bio 1). *Myrmica rubra* [Hymenoptera: Formicidae]. 13 Aug 2002. USA: Otter Creek, north end of Otter Cove, Mount Desert Island, Maine.
- 7180 H Liu (MSUFS-500). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Feb 2002. USA: Ravenswood, Chicago, Illinois.
- 7411 [CSIRO FI-0151] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.
- 7451 [CSIRO FI-0993] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 28 Apr 1993. Australia: Larsen, Kingaroy, Queensland.
- 7452 [CSIRO FI-1041] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland.
- 7474 [CEP 076] C López Lastra. [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 24 Feb 2004. Argentina: Los Hornos, Buenos Aires.
- 7475 [CEP 078] C López Lastra. [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 3 May 2004. Argentina: San Antonio de Areco, Buenos Aires.
- 7476 [CEP 086] C López Lastra. [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7485 [CSIRO FI-0726] From soil sample S31. 6 Dec 1990. Burma.
- 7489 [CSIRO FI-1095] ARSEF (441). *Teleogryllus commodus* [Orthoptera: Gryllidae]. 11 Mar 1980. Australia: Warnambool, Victoria.
- 7490 [CSIRO FI-1096] ARSEF (442). *Teleogryllus commodus* [Orthoptera: Gryllidae]. 11 Mar 1980. Australia: Hawkesdale, Victoria.
- 7492 [CSIRO FI-1350] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 2 Jun 1999. Laboratory experiment.
- 7494 [CSIRO FI-1363] CBS (316.51). *Agriotes* sp. [Coleoptera: Elateridae]. 23 Aug 1999. USA: Forest Grove, Oregon.
- 7496 [CSIRO FI-1402] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 13 Apr 2000. Australia: Bundaberg, Queensland.
- 7498 [CSIRO FI-1410] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 26 Apr 2000. Australia: Moree, New South Wales.
- 7499 [CSIRO FI-1412] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 12 May 2000. Australia: Moree, New South Wales.
- 7500 [CSIRO FI-1414] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 1 Jun 2000. Australia: Moree, New South Wales.
- 7503 [CSIRO FI-1418] AMMRL 154.04. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.

- 7504 [CSIRO FI-1425] *Lepidiota noxia* [Coleoptera: Scarabaeidae]. 18 Aug 2000. Australia: Bundaberg, Queensland.
- 7506 [CSIRO FI-1451] *Mastotermes* sp. [Isoptera: Mastotermitidae]. 13 Jul 2002.
- 7524 S Keller (714). Larva, *Agriotes* sp. [Coleoptera: Elateridae]. 28 Aug 2001. Switzerland: Jenaz, Graubünden.
- 7527 S Keller (800). Larva, [Coleoptera: Scarabaeidae]. 31 May 2002. Nepal: Parbat District.
- 7529 S Keller (885). Larva, [Coleoptera: Scarabaeidae]. Winter 2003. Nepal: Pang, Parbat District.
- 7532 S Keller (500). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 16 Jan 1995. Switzerland: Uri.
- 7535 E Groden (Plate #3). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 022.06.59 W, 133 m elevation.
- 7536 E Groden (Plate #4). *Myrmica scabrinodis* [Hymenoptera: Formicidae]. 16 Aug 2003. United Kingdom: Lynmouth, Devon, England. 51.12.15 N, 03.37.55 W, 230 m elevation.
- 7537 E Groden (Plate #5). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2003. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7538 E Groden (Plate #6). *Myrmica rubra* [Hymenoptera: Formicidae]. 22 Aug 2003. United Kingdom: Exeter, Devon, England. 50.44.10 N, 03.33.00 W, 22 m elevation.
- 7569 I Klingen (NCRI 53/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7570 I Klingen (NCRI 211/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7571 I Klingen (NCRI 240/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7572 I Klingen (NCRI 241/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7573 I Klingen (NCRI 221/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7612 H Cortez Madrigal (MaA1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7613 H Cortez Madrigal (MaA2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7614 H Cortez Madrigal (MaA3). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7615 H Cortez Madrigal (MaA4). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7644 [SRCAMB B-217] V Likhovidov (Vg-6/1s) ← BA Borisov. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1991. Vietnam: environs of Hanoi, Hanoi. Field Collection Number F-60.
- 7814 [CSIRO FI-0014] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: Anderson, Guyra, New South Wales.
- 7815 [CSIRO FI-0038] *Adoryphorus coulunii* [Coleoptera: Scarabaeidae]. 1 Jun 1981. Australia: Ballarat, Victoria.
- 7816 [CSIRO FI-0083] *Lepidiota squamulata* [Coleoptera: Scarabaeidae]. 5 Aug 1985. Australia: Mackay, Queensland.
- 7817 [CSIRO FI-0086] Isolated from soil sample. 27 Feb 1985. Australia: Cairns, Queensland.
- 7818 [CSIRO FI-0092] Isolated from soil sample. 11 Dec 1984. Australia: Mackay, Queensland.
- 7819 [CSIRO FI-0111] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 30 Oct 1985. Australia: The Hummock, Bundaberg, Queensland.
- 7820 [CSIRO FI-0120] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.
- 7821 [CSIRO FI-0121] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.
- 7822 [CSIRO FI-0122] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.
- 7823 [CSIRO FI-0123] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.
- 7824 [CSIRO FI-0126] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. Jan 1986. Australia: Yeppoon, Queensland.
- 7825 [CSIRO FI-0143] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. 2 Apr 1986. Australia: Yeppoon, Queensland.
- 7826 [CSIRO FI-0144] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. 2 Apr 1986. Australia: Yeppoon, Queensland.
- 7827 [CSIRO FI-0148] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

- 7828 [CSIRO FI-0150] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.
- 7829 [CSIRO FI-0154] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
- 7830 [CSIRO FI-0157] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
- 7831 [CSIRO FI-0160] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
- 7832 [CSIRO FI-0165] *Lepidiota negatoria* [Coleoptera: Scarabaeidae]. 26 Nov 1986. Australia: Maryborough, Queensland.
- 7833 [CSIRO FI-0177] Isolated from soil sample. 22 Jan 1987. Australia: Bundaberg field site, Bundaberg, Queensland.
- 7834 [CSIRO FI-0179] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7835 [CSIRO FI-0181] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7836 [CSIRO FI-0182] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7837 [CSIRO FI-0188] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7838 [CSIRO FI-0189] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7839 [CSIRO FI-0191] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 5 Feb 1987. Australia: Maryborough, Queensland.
- 7840 [CSIRO FI-0196] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7841 [CSIRO FI-0197] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7842 [CSIRO FI-0205] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 23 Mar 1987. Australia: Yandaren, Bundaberg, Queensland.
- 7843 [CSIRO FI-0912] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 7844 [CSIRO FI-0913] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 7845 [CSIRO FI-0024] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 2 Jan 1981. Australia: South Australia.
- 7846 [CSIRO FI-0149] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.
- 7847 DEN Rangel and DW Roberts (DWR 200). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Mar 2005. USA: Soil sample #13, Snowflake, Arizona. 34.42.924 N, 110.01.860 W, 5280 ft elevation.
- 7854 [CSIRO FI-0190] Adult, *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 5 Feb 1987. Australia: Maryborough, Queensland.
- 7855 [CSIRO FI-0193] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7856 [CSIRO FI-0194] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7857 [CSIRO FI-0195] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7858 [CSIRO FI-0199] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7859 [CSIRO FI-0200] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7860 [CSIRO FI-201] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7861 [CSIRO FI-0202] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7862 [CSIRO FI-0209] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.
- 7863 [CSIRO FI-0211] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Canberra, Australian Capital Territory.
- 7864 [CSIRO FI-0214] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Childers, Queensland.
- 7865 [CSIRO FI-0218] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 10 Jun 1987. Australia: Calavos, Bundaberg, Queensland.
- 7866 [CSIRO FI-0220] Rec'd 16 Sep 2005. Expt S131. Hybrid of FI-0114 and FI-0153.
- 7867 [CSIRO FI-0221] Isolated from soil sample. 14 Jul 1987. Australia: Tegege, Queensland.
- 7868 [CSIRO FI-0223] Isolated from soil sample. 14 Jul 1987. Australia: Tegege, Queensland.
- 7869 [CSIRO FI-0266] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7870 [CSIRO FI-0267] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7871 [CSIRO FI-0268] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

- 7872 [CSIRO FI-0269] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7873 [CSIRO FI-0270] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7874 [CSIRO FI-0274] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7875 [CSIRO FI-0275] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7876 [CSIRO FI-0276] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7879 [CSIRO FI-0273] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7880 [CSIRO FI-0280] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7881 [CSIRO FI-0282] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
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- 7883 [CSIRO FI-0284] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
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- 7885 [CSIRO FI-0289] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7886 [CSIRO FI-0290] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7887 [CSIRO FI-0291] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7888 [CSIRO FI-0292] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7892 [CSIRO FI-0298] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7893 [CSIRO FI-0299] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7894 [CSIRO FI-0300] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7895 [CSIRO FI-0301] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7896 [CSIRO FI-0302] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7897 [CSIRO FI-0303] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7898 [CSIRO FI-0304] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7899 [CSIRO FI-0305] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7900 [CSIRO FI-0307] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.
- 7901 [CSIRO FI-0308] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7902 [CSIRO FI-0309] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7903 [CSIRO FI-0310] Isolated from soil sample. Dec 1988. Australia: Bassey, Mount Martin, Queensland.
- 7904 [CSIRO FI-0311] Isolated from soil sample. Dec 1988. Australia: Bassey, Mount Martin, Queensland.
- 7905 [CSIRO FI-0312] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.
- 7906 [CSIRO FI-0313] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.
- 7907 [CSIRO FI-0314] Isolated from soil sample. Dec 1988. Australia: Highams Bridge, Finch Hatton, Queensland.
- 7908 [CSIRO FI-0315] Isolated from soil sample. Dec 1988. Australia: Highams Bridge, Finch Hatton, Queensland.
- 7909 [CSIRO FI-0316] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7910 [CSIRO FI-0317] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7911 [CSIRO FI-0318] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7912 [CSIRO FI-0319] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7913 [CSIRO FI-0321] Isolated from soil sample. Dec 1988. Australia: Vigiante, Devereux Creek, Queensland.
- 7914 [CSIRO FI-0324] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.
- 7915 [CSIRO FI-0326] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.
- 7916 [CSIRO FI-0332] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7917 [CSIRO FI-0333] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7918 [CSIRO FI-0334] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7919 [CSIRO FI-0335] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7920 [CSIRO FI-0336] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
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- 7926 [CSIRO FI-0355] DG Holdom (030189-1). Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Walkers Point, Queensland.

- 7927 [CSIRO FI-0373] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.
- 7928 [CSIRO FI-0374] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.
- 7930 [CSIRO FI-0376] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.
- 7931 [CSIRO FI-0377] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 10 Mar 1989. Australia: Maidements, Bundaberg, Queensland.
- 7932 [CSIRO FI-0378] Adult, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7933 [CSIRO FI-0380] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7934 [CSIRO FI-0381] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
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- 7936 [CSIRO FI-0383] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7967 LA Lacey (14B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 3 (Green), CRP soil 19-21, Alaska.
- 8014 BC King (41). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AB027383 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 8015 MS Wright (C 4B). Alate, *Coptotermes formosanus* [Isoptera: Rhinotermitidae]. Rec'd 10 Apr 2006. USA: New Orleans, Louisiana. Subject of US Patent No. 7790151.
- 8059 [CSIRO FI-0558] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 12 Jan 1990. Australia: Cotter, Australian Capital Territory.
- 8060 [CSIRO FI-0562] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 10 Jan 1990. Australia: Conopaira State Forest, New South Wales.
- 8061 [CSIRO FI-0563] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 10 Jan 1990. Australia: Conopaira State Forest, New South Wales.
- 8062 [CSIRO FI-0565] *Drepanotermes perniger* [Isoptera: Termitidae] from rubbish gallery. 22 Jan 1990. Australia: Beelbanger, New South Wales.
- 8063 [CSIRO FI-0567] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut. 21 Feb 1990. Australia: sawmill, Batemans Bay, New South Wales.
- 8064 [CSIRO FI-0568] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from wood block. 21 Feb 1990. Australia: sawmill, Batemans Bay, New South Wales.
- 8067 [CSIRO FI-0572] *Coptotermes frenchi* [Isoptera: Rhinotermitidae] from tree stump. 5 Mar 1990. Australia: Binya State Forest, Yenda, New South Wales.
- 8068 [CSIRO FI-0573] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 7 Mar 1990. Australia: Binya State Forest, Yenda, New South Wales.
- 8069 [CSIRO FI-0574] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 13 Mar 1990. Australia: 16 km north of Goulburn, Goulburn, New South Wales.
- 8070 [CSIRO FI-0577] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 19 Mar 1990. Australia: 3 km north of Michelago, Michelago, New South Wales.
- 8071 [CSIRO FI-0581] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8072 [CSIRO FI-0582] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8073 [CSIRO FI-0583] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8074 [CSIRO FI-0584] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8075 [CSIRO FI-0585] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8080 [CSIRO FI-0586] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8081 [CSIRO FI-0587] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8082 [CSIRO FI-0589] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8083 [CSIRO FI-0590] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8084 [CSIRO FI-0591] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8085 [CSIRO FI-0592] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8086 [CSIRO FI-0593] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

- 8087 [CSIRO FI-0594] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: Runnyford Bridge, South Coast, New South Wales.
- 8088 [CSIRO FI-0595] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: Runnyford Bridge, South Coast, New South Wales.
- 8089 [CSIRO FI-0596] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut?. Mar 1990. Australia: Bermagui Mill, New South Wales.
- 8090 [CSIRO FI-0597] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. Mar 1990. Australia: Beauty Point, North Bermagui, New South Wales.
- 8091 [CSIRO FI-0598] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. Mar 1990. Australia: Beauty Point, North Bermagui, New South Wales.
- 8092 [CSIRO FI-0599] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut. 14 Mar 1990. Australia: Ulladulla Mill, New South Wales.
- 8093 [CSIRO FI-0600] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut?. 13 Mar 1990. Australia: Nowra Mill, New South Wales.
- 8094 [CSIRO FI-0601] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 14 Mar 1990. Australia: 2 km W Princes Highway near Sussex Inlet, South Coast, New South Wales.
- 8095 [CSIRO FI-0602] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 14 Mar 1990. Australia: 2 km W Princes Highway near Sussex Inlet, South Coast, New South Wales.
- 8096 [CSIRO FI-0654] from feeding site 8 Apr 1990. Australia: 5 km south, Old Bonalbo, New South Wales.
- 8097 [CSIRO FI-0655] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 5 Apr 1990. Australia: 15 km west, Inverell, New South Wales.
- 8098 [CSIRO FI-0658] [Coleoptera: Curculionidae]. 29 May 1990. CSIRO, Nematodes Laboratory.
- 8099 [CSIRO FI-0659] [Coleoptera: Curculionidae]. 29 May 1990. CSIRO, Nematodes Laboratory.
- 8100 [CSIRO FI-0661] *Nasutitermes exitiosus* [Isoptera: Termitidae]. 13 Jul 1990. Australia: Pearce RAAF Base, Bullsbrook, Western Australia.
- 8101 [CSIRO FI-0662] 13 Jul 1990. Australia: Pearce RAAF Base, Bullsbrook, Western Australia.
- 8102 [CSIRO FI-0664] 13 Jul 1990. Australia: Paynes Find, Western Australia.
- 8103 [CSIRO FI-0666] 16 Jul 1990.
- 8104 [CSIRO FI-0667] 16 Jul 1990.
- 8105 16 Jul 1990.
- 8106 16 Jul 1990.
- 8107 Acc'd Sep 2006.
- 8108 Acc'd Sep 2006.
- 8109 Acc'd Sep 2006.
- 8196 LA Castrillo (MI-17). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8197 LA Castrillo (MI-18). Isolated from soil sample, base of tree #13. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8198 LA Castrillo (MI-19). Isolated from soil sample, base of tree #63. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8199 LA Castrillo (MI-20). Isolated from soil sample, base of tree #52. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8212 S Entz (20W-5). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. May 2004. Canada: fallow wheat field 30 km east of Milk River, Alberta.
- 8215 [CSIRO FI-0710] Isolated from soil sample S5. 23 Nov 1990. Burma.
- 8216 [CSIRO FI-0711] Isolated from soil sample S5. 23 Nov 1990. Burma.
- 8217 [CSIRO FI-0713] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8218 [CSIRO FI-0714] Isolated from soil sample S15. 6 Dec 1990. Burma.
- 8219 [CSIRO FI-0715] Isolated from soil sample S28. 6 Dec 2006. Burma.
- 8220 [CSIRO FI-0716] Isolated from soil sample S14. 6 Dec 1990. Burma.
- 8221 [CSIRO FI-0717] Isolated from soil sample KAN PYA. 6 Dec 1990. Burma.
- 8222 [CSIRO FI-0718] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8223 [CSIRO FI-0719] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8224 [CSIRO FI-0720] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8225 [CSIRO FI-0721] Isolated from soil sample S25. 6 Dec 1990. Burma.
- 8226 [CSIRO FI-0722] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8227 [CSIRO FI-0727] Isolated from soil sample S31. 6 Dec 1990. Burma.
- 8228 [CSIRO FI-0728] Isolated from soil sample S31. 6 Dec 1990. Burma.
- 8229 [CSIRO FI-0729] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound A (A1). 9 Jan 1991. Australia: Manar Creek, Braidwood, New South Wales.
- 8230 [CSIRO FI-0730] *Nasutitermes exitiosus* [Isoptera: Termitidae] from soil around mound A (A14). 9 Jan 1991. Australia: Manar Creek, Braidwood, New South Wales.

- 8231 [CSIRO FI-739] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F19). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8232 [CSIRO FI-0744] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F13). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8233 [CSIRO FI-0749] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound G (G3). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8234 [CSIRO FI-750] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8235 [CSIRO FI-0756] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G 18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8236 [CSIRO FI-765] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8248 LA Castrillo (SFMa1) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8249 LA Castrillo (SFMa2) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8270 RJ Pereault (masi#1). Isolated from soil sample. Jul 2006. USA: Northport, Michigan.
- 8319 N Hudson (GmMa1). Rec'd 21 Dec 2006. **RESTRICTED ACCESS:** consult Curator.
- 8323 AC Churchill (MaNPS1 Ect A-18). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8324 AC Churchill (MaNPS1 KO B1-3). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8325 AC Churchill (MaNPS1 KO 8-18). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8326 AC Churchill (MaNPS1 KO 37-2). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8327 AC Churchill (MaNPS1 KO 43-1). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8334 Z Demirbag (KTU-2). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Ardesen, Rize.
- 8335 Z Demirbag (KTU-3). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8336 Z Demirbag (KTU-4). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8338 Z Demirbag (KTU-6). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8341 Z Demirbag (KTU-9). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Terme, Samsun.
- 8342 Z Demirbag (KTU-10). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Ordu Province.
- 8344 Z Demirbag (KTU-12). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Persembe, Ordu.
- 8346 Z Demirbag (KTU-14). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Aug 2006. Turkey: Çambunu, Sürmene, Trabzon.
- 8347 Z Demirbag (KTU-15). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.
- 8350 Z Demirbag (KTU-18). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Murgul, Artvin.
- 8351 Z Demirbag (KTU-19). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Murgul, Artvin.
- 8352 Z Demirbag (KTU-20). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Camili, Artvin.
- 8353 Z Demirbag (KTU-21). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.
- 8357 DEN Rangel and DW Roberts (DWR 313). 3 Jun 2006. USA: Coconino National Forest, Oak Creek Canyon, Coconino County, Arizona. 34.57.271 N, 111.45.480 W, 5037 ft elevation.
- 8358 DEN Rangel and DW Roberts (DWR 338). 28 May 2006. USA: Hwy 89A, Jacob Lake, Arizona. 36.43.555 N, 112.07.522 W, 6942 ft elevation.
- 8362 DEN Rangel and DW Roberts (DWR 217). Rec'd 20 Feb 2007.
- 8363 DEN Rangel and DW Roberts (DWR 200). 13 Mar 2005. USA: Snowflake, Arizona. 34.42.924 N, 110.01.860 W, 5280 ft elevation.
- 8364 DEN Rangel and DW Roberts (DWR 203). 13 Mar 2005. USA: Winslow, Arizona. 35.03.225 N, 110.35.388 W, 5068 ft elevation.
- 8365 DEN Rangel and DW Roberts (DWR 261). 6 Aug 2006. USA: Talkeetna, Alaska. 61.26.728 N, 149.22.150 W, 232 ft elevation.
- 8366 DEN Rangel and DW Roberts (DWR 312). 2004. USA: Green Canyon, Logan, Utah.
- 8367 DEN Rangel and DW Roberts (DWR 346). 28 May 2006. USA: Snowflake, Arizona. 34.41.222 N, 110.06.199 W, 5572 ft elevation.

- 8375 [CEP 003; LPSC 904] AV Toledo. Soil of *Sorghum bicolor* (L.) Moench, sorghum crop. 13 Jul 2003. Argentina: Los Hornos, Buenos Aires.
- 8376 [CEP 160; LPSC 908] AV Toledo. Adult, [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 6 Oct 2004. Argentina: Esteros del Iberá, Corrientes.
- 8377 [CEP 178; LPSC 909] AV Toledo. Adult, *Kanaima fluvialis* [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). Nov 2004. Argentina: Bella Vista, Corrientes.
- 8432 Z Demirbag (KTU-26). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Kalkandere, Rize.
- 8433 Z Demirbag (KTU-27). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.
- 8434 Z Demirbag (KTU-28). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.
- 8435 Z Demirbag (KTU-29). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Güneysu, Rize.
- 8436 Z Demirbag (KTU-30). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Çaykara, Trabzon.
- 8437 Z Demirbag (KTU-31). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8438 Z Demirbag (KTU-32). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8440 Z Demirbag (KTU-34). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Fatsa, Ordu.
- 8443 Z Demirbag (KTU-37). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Mar 2007. Turkey: Görele, Giresun.
- 8445 Z Demirbag (KTU-39). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Ulubey, Ordu.
- 8446 Z Demirbag (KTU-40). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Akçaabat, Trabzon.
- 8447 Z Demirbag (KTU-41). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Kalkandere, Rize.
- 8450 Z Demirbag (KTU-44). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.
- 8451 Z Demirbag (KTU-45). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.
- 8452 Z Demirbag (KTU-46). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Güneysu, Rize.
- 8453 Z Demirbag (KTU-47). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Salarha, Rize.
- 8454 Z Demirbag (KTU-48). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.
- 8492 [CSIRO FI-0012] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: McKemeys, Guyra, New South Wales.
- 8495 [CSIRO FI-0019] Pupa, *Rhopaea verreauxii* [Coleoptera: Scarabaeidae]. 13 Feb 1980. Australia: Dorrigo, New South Wales.
- 8496 [CSIRO FI-0320] Isolated from soil sample. Dec 1988. Australia: Vigiente, Devereux Creek, Queensland.
- 8497 [CSIRO FI-0337] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 8498 [CSIRO FI-0390] [Hemiptera: Cercopidae]. 29 Mar 1989. Brazil.
- 8499 [CSIRO FI-0396] *Phyllophaga anxia* [Coleoptera: Scarabaeidae]. 29 Mar 1989. Canada: Southern Québec.
- 8500 [CSIRO FI-0522] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Jun 1989. Australia: Kingaroy, Queensland.
- 8501 [CSIRO FI-0529] *Lepidiota picticollis* [Coleoptera: Scarabaeidae]. 28 Jul 1989. Laboratory experiment.
- 8502 [CSIRO FI-0560] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 12 Jan 1990. Australia: Cotter, Australian Capital Territory.
- 8503 [CSIRO FI-0741] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8504 [CSIRO FI-0751] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8505 [CSIRO FI-0752] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8506 [CSIRO FI-0753] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G20). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8507 [CSIRO FI-0754] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G20). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8508 [CSIRO FI-0757] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

- 8509 [CSIRO FI-0759] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G13). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8510 [CSIRO FI-0762] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G15). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8511 [CSIRO FI-0763] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8512 [CSIRO FI-0767] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8513 [CSIRO FI-0772] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound G (G9). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8514 [CSIRO FI-0773] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G19). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8515 [CSIRO FI-0774] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8516 [CSIRO FI-0778] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I2). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8517 [CSIRO FI-0779] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8518 [CSIRO FI-0780] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8527 [CEP 122] AV Toledo. Adult, [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 18 May 2004. Argentina: La Plata, Buenos Aires.
- 8531 [CSIRO FI-0781] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8532 [CSIRO FI-0782] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8533 [CSIRO FI-0784] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8534 [CSIRO FI-0786] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8535 [CSIRO FI-0790] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8536 [CSIRO FI-0791] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8537 [CSIRO FI-0792] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8538 [CSIRO FI-0794] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8539 [CSIRO FI-0795] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8540 [CSIRO FI-0796] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8541 [CSIRO FI-0797] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8542 [CSIRO FI-0799] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8543 [CSIRO FI-0804] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8544 [CSIRO FI-0805] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8545 [CSIRO FI-0806] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8546 [CSIRO FI-0807] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8547 [CSIRO FI-0808] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8548 [CSIRO FI-0809] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8549 [CSIRO FI-0810] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8550 [CSIRO FI-0811] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

- 8551 [CSIRO FI-0812] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8552 [CSIRO FI-0814] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8553 [CSIRO FI-0815] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8554 [CSIRO FI-0816] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8555 [CSIRO FI-0817] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8556 [CSIRO FI-0818] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8557 [CSIRO FI-0819] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8558 [CSIRO FI-820] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 18 Feb 1991. Australia: Kingaroy, Queensland.
- 8559 [CSIRO FI-0821] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 18 Feb 1991. Australia: Kingaroy, Queensland.
- 8560 [CSIRO FI-0860] *Galleria mellonella* [Lepidoptera: Pyralidae]. 11 Jun 1991. Australia: Chapman, Australian Capital Territory.
- 8561 [CSIRO FI-0861] Isolated from soil sample. 1 Jul 1991. Australia: Chapman, Australian Capital Territory.
- 8562 [CSIRO FI-0862] Isolated from soil sample. 1 Jul 1991. Australia: Chapman, Australian Capital Territory.
- 8563 [CSIRO FI-0870] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 1 Jul 1991. Australia: Clermont, Queensland.
- 8564 [CSIRO FI-0871] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 8 Jan 1992. Australia: Clermont, Queensland.
- 8565 [CSIRO FI-0873] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8566 [CSIRO FI-0875] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8567 [CSIRO FI-0877] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8568 [CSIRO FI-0881] *Desiantha diversipes* [Coleoptera: Curculionidae] from root of *Echium* sp. (Borraginaceae). 8 Jan 1992.
- 8569 [CSIRO FI-0882] *Desiantha diversipes* [Coleoptera: Curculionidae]. 8 Jan 1992.
- 8570 [CSIRO FI-0886] *Nasutitermes exitiosus* [Isoptera: Termitidae] from inner mound material. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.
- 8571 [CSIRO FI-0887] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.
- 8572 [CSIRO FI-0888] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.
- 8573 [CSIRO FI-0889] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Pub Corner, Kangaroo Island, South Australia.
- 8574 [CSIRO FI-0890] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Stokes Bay, Kangaroo Island, South Australia.
- 8575 [CSIRO FI-0742] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8576 [CSIRO FI-0894] *Heteronychus arator* [Coleoptera: Scarabaeidae]. 11 Apr 1992. Australia: Perth, Western Australia.
- 8577 [CSIRO FI-0872] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8580 [CSIRO FI-0900] 29 Apr 1992.
- 8581 [CSIRO FI-0902] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.
- 8582 [CSIRO FI-0903] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Apr 1992. Australia: Kingaroy, Queensland.
- 8583 [CSIRO FI-0904] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Apr 1992. Australia: Kingaroy, Queensland.
- 8584 [CSIRO FI-0905] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.
- 8585 [CSIRO FI-0906] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.
- 8586 [CSIRO FI-0910] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 8587 [CSIRO FI-0914] *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.
- 8588 [CSIRO FI-0915] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.

- 8589 [CSIRO FI-0916] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.
- 8590 [CSIRO FI-0918] *Microcerotermes* sp. [Isoptera: Termitidae]. 1 Jul 1992. Australia: Howard Springs, Northern Territory.
- 8591 [CSIRO FI-0919] *Microcerotermes* sp. [Isoptera: Termitidae]. 1 Jul 1992. Australia: Howard Springs, Northern Territory.
- 8592 [CSIRO FI-0920] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 1 Jul 1992. Australia: Queensland.
- 8593 [CSIRO FI-0924] 17 Jul 1992. Papua New Guinea.
- 8594 [CSIRO FI-0926] From Dodine 2, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8595 [CSIRO FI-0928] From Dodine 1, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8596 [CSIRO FI-0929] From Dodine 1, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8597 [CSIRO FI-0930] From 1/2 Veen's, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8603 [CSIRO FI-0895] Rec'd 18 May 2007. Mixed culture of light and dark spored forms.
- 8604 [CSIRO FI-0895] Rec'd 18 May 2007. Dark spored form of ARSEF 8603.
- 8605 [CSIRO FI-0895] Rec'd 18 May 2007. Light spored form of ARSEF 8603.
- 8608 [CSIRO FI-0896] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- 8609 [CSIRO FI-0897] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- 8610 [CSIRO FI-0868] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 8 Jan 1992. Australia: Clermont, Queensland.
- 8611 [CSIRO FI-0885] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Emu Bay, Kangaroo Island, South Australia.
- 8612 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Mixed culture of light and dark spored forms.
- 8613 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Dark spored form of ARSEF 8612.
- 8614 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Light spored form of ARSEF 8612.
- 8615 [CSIRO FI-0947] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.
- 8616 [CSIRO FI-0948] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.
- 8617 [CSIRO FI-0950] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.
- 8618 [CSIRO FI-0951] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, FI-0686, Queensland.
- 8619 [CSIRO FI-0952] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, FI-0686, Queensland.
- 8620 [CSIRO FI-0953] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Queensland.
- 8621 [CSIRO FI-0954] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Queensland.
- 8622 [CSIRO FI-0956] 22 Jul 1992. Australia: Queensland.
- 8623 [CSIRO FI-0957] 22 Jul 1992.
- 8624 [CSIRO FI-0958] 22 Jul 1992.
- 8625 22 Jul 1992.
- 8626 Acc'd 22 Oct 2007.
- 8627 Acc'd 23 Oct 2007.
- 8628 Acc'd 23 Oct 2007.
- 8629 Acc'd 23 Oct 2007.
- 8630 Acc'd 24 Oct 2007.
- 8631 Acc'd 24 Oct 2007.
- 8632 Acc'd 24 Oct 2007.
- 8653 LA Castrillo (A2 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Ann Arbor, Michigan.
- 8654 LA Castrillo (A2 soil 2). Isolated from soil sample. 29 Sep 2007. USA: Ann Arbor, Michigan.
- 8655 LA Castrillo (B1 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Brighton, Michigan.
- 8656 LA Castrillo (L1 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Lansing, Michigan.
- 8657 LA Castrillo (L5 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Lansing, Michigan.
- 8658 LA Castrillo (R3 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Redford, Michigan.
- 8659 LA Castrillo (R7 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Redford, Michigan.
- 8660 Z Demirbag (KTU-49). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Hemsin, Rize.
- 8662 Z Demirbag (KTU-51). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
- 8665 Z Demirbag (KTU-54). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Çalidere, Bayburt.
- 8669 Z Demirbag (KTU-58). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
- 8680 MJ Bidochka (43A 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Bewdley, Ontario.
- 8681 MJ Bidochka (56B 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Norwood, Ontario.

- 8682 MJ Bidochka (FRB2 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Frankford, Ontario.
- 8683 MJ Bidochka (GUB2 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Guelph, Ontario.
- 8684 MJ Bidochka (HKB1 1b). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Havelock, Ontario.
- 8685 MJ Bidochka (MAA1 2ii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Madoc, Ontario.
- 8686 MJ Bidochka (ORB1 1ii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Orillia, Ontario.
- 8687 MJ Bidochka (PHA1 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Parkhill, Ontario.
- 8688 MJ Bidochka (ROA1 1b). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Rodney, Ontario.
- 8689 MJ Bidochka (ROA2 2a). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Rodney, Ontario.
- 8690 MJ Bidochka (SCB2 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: St. Catharines, Ontario.
- 8691 MJ Bidochka (SHB1 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Sharbot Lake, Ontario.
- 8692 MJ Bidochka (TIB2 1iii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Tillsonburg, Ontario.
- 8693 ST Jaronski (GE002). 2 Jun 2005. Spain.
- 8696 ST Jaronski (GE049). *Calliptamus italicus* [Orthoptera: Catantopidae]. 22 Feb 2006. Republic of Georgia: Samuxi.
- 8698 ST Jaronski (GE051). *Calliptamus italicus* [Orthoptera: Catantopidae]. 7 Mar 2006. Republic of Georgia: Samuxi.
- 8700 ST Jaronski (GE075). 9 Jul 2004. Republic of Georgia.
- 8701 ST Jaronski (GE102). *Calliptamus italicus* [Orthoptera: Catantopidae]. 10 Aug 2004. Republic of Georgia: Sagarejo, Kakheti.
- 8702 ST Jaronski (GE104). *Calliptamus italicus* [Orthoptera: Catantopidae]. 12 Aug 2004. Republic of Georgia: Sagarejo, Kakheti.
- 8703 ST Jaronski (GE10-01). Isolated from soil sample. 2 Dec 2004. Republic of Georgia: Rustavi, Kvemo Kartli.
- 8731 [CSIRO FI-0025] *Neotermes* sp. [Isoptera: Kalotermitidae]. 2 Jan 1981. Australia: Cooktown, Queensland.
- 8733 [CSIRO FI-0153] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
- 8734 [CSIRO FI-0454] [Coleoptera: Staphylinidae]. 26 Apr 1989. Australia: Parissi pupation study site, Bundaberg, Queensland.
- 8735 [CSIRO FI-0999] *Spodoptera* sp. [Lepidoptera: Noctuidae]. 11 May 1993. Malaysia: Cameron Highlands.
- 8738 [CSIRO FI-1007] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.
- 8739 [CSIRO FI-1008] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.
- 8740 [CSIRO FI-1009] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.
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- 8742 [CSIRO FI-1011] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.
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- 9317 [ERL 1617] VS Gouli (Thr-08-M27). Isolated from soil sample. 2008. USA: Vermont.
- 9318 [ERL 1618] VS Gouli (Thr-08-M28). Isolated from soil sample. 2008. USA: Vermont.
- 9319 [ERL 1619] VS Gouli (Thr-08-M29). Isolated from soil sample. 2008. USA: Vermont.
- 9320 [ERL 1620] VS Gouli (Thr-08-M30). Isolated from soil sample. 2008. USA: Vermont.
- 9321 [ERL 1621] VS Gouli (Thr-08-M31). Isolated from soil sample. 2008. USA: Vermont.
- 9322 [ERL 1622] VS Gouli (Thr-08-M32). Isolated from soil sample. 2008. USA: Vermont.
- 9323 [ERL 1623] VS Gouli (Thr-08-M33). Isolated from soil sample. 2008. USA: Vermont.
- 9324 [ERL 1624] VS Gouli (Thr-08-M34). Isolated from soil sample. 2008. USA: Vermont.
- 9325 [ERL 1625] VS Gouli (Thr-08-M35). Isolated from soil sample. 2008. USA: Vermont.
- 9326 [ERL 1626] VS Gouli (Thr-08-M36). Isolated from soil sample. 2008. USA: Vermont.
- 9327 [ERL 1627] VS Gouli (Thr-08-M37). Isolated from soil sample. 2008. USA: Vermont.
- 9328 [ERL 1628] VS Gouli (Thr-08-M38). Isolated from soil sample. 2008. USA: Vermont.
- 9329 [ERL 1629] VS Gouli (Thr-08-M39). Isolated from soil sample. 2008. USA: Vermont.
- 9330 [ERL 1630] VS Gouli (Thr-08-M40). Isolated from soil sample. 2008. USA: Vermont.
- 9331 [ERL 1631] VS Gouli (Thr-08-M41). Isolated from soil sample. 2008. USA: Vermont.
- 9332 [ERL 1632] VS Gouli (Thr-08-M42). Isolated from soil sample. 2008. USA: Vermont.
- 9333 [ERL 1633] VS Gouli (Thr-08-M43). Isolated from soil sample. 2008. USA: Vermont.
- 9372 A Morales (#1B). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 5 Nov 2004. USA: Battle Island State Park Golf Course, Fulton, New York.
- 9373 A Morales (#3). Larva, *Amphimallon majale* [Coleoptera: Scarabaeidae]. 2 Nov 2004. USA: Wayne Hills Country Club, Lyons, New York.
- 9374 A Morales (#6). Adult, *Listronotus maculicollis* [Coleoptera: Curculionidae]. 29 Jun 2005. USA: Robert Trent Jones Golf Course at Cornell University, Ithaca, New York.
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- 9541 [SRCAMB VL-1691/4] V Likhovidov. Pupa, [Lepidoptera]. 19 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-571.
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- 9612 JG Banu (2). *Paracoccus marginatus* [Hemiptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.
- 9613 JG Banu (3). *Paracoccus marginatus* [Hemiptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.
- 9939 [ERL 1723] S Gouli (GA-09-M) and V Gouli. [Diptera]. 2009. USA: Vermont.
- 10131 [ERL 1540] S Gouli (Thr.-08-M-1) and V Gouli. Isolated from soil sample. 2008. USA: Underhill, Vermont.
- 10135 [ERL 1795] S Gouli and V Gouli (Thr.-10-13). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10136 [ERL 1796] S Gouli (Thr.-10-14) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10137 [ERL 1797] S Gouli and V Gouli (Thr.-10-15). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10469 [CSIRO FI-1045] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland. Patented, commercialized strain (Bio-Cane). **RESTRICTED ACCESS: consult Curator.**
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- 11661 [NCRI 250/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 18 Nov 2002. Norway: c) øko 0-10, Høgetveit, Telemark. **RESTRICTED ACCESS: consult Curator.**
- 11694 Z Demirbag (Gg7) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.

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- 11850 [ERL 2031] S Gouli and V Gouli (THR-11-21). [Coleoptera: Elateridae]. 2011. USA: Sharon Springs, New York.
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- 11946 R Casique and SR Sánchez Peña (FM4). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Rec'd 20 Feb 2013. Mexico: Tecolutla, Veracruz.
- 11947 R Casique and SR Sánchez Peña (FM6). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Rec'd 20 Feb 2013. Mexico: Tecolutla, Veracruz.
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- Metarhizium anisopliae* sensu stricto** (Metschnikoff) Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. These isolates have been confirmed to belong in this narrowly redefined species in an emergent genomically based classification.
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- 798 DA Rodriguez Sierra. Nymph, *Aeneolamia varia* [Hemiptera: Cercopidae]. 1979. Colombia: Villavicencio, Meta.
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- 1045 [ARSEF 1299; EPABA A-24] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. Aug 1978. Brazil: Bahia.
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- 2080 DG Holdom ← H Soeharto. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 1985. Indonesia: Sukamundi, Jawa Barat, Java.
- 2153 MC Rombach (200386-2). *Nephotettix virescens* [Hemiptera: Cicadellidae]. 20 Mar 1986. Indonesia: Maros Research Institute, Maros, Sulawesi Selatan, Celebes.
- 2223 KJ Marschall. *Brontispa longissima* [Coleoptera: Chrysomelidae] from artificial production. Jun 1986. Western Samoa: Vaoala, Apia.
- 2421 DG Holdom (050187-5). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 Jan 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
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- 2518 [CP 224] *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 8 Dec 1987. New Zealand.
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- 2786 RA Humber ← II Kirijak. [Orthoptera: Gryllotalpidae]. Jul 1989. Commonwealth of Independent States: Kishinev, Moldova.
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- 5471 TJ Poprawski (TJP936). Larva, *Eoreuma loftini* [Lepidoptera: Pyralidae]. Rec'd 9 May 1997. USA: sugarcane field, Weslaco, Texas.
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- 6318 Adult, male, *Zulia pubescens* [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6347 Nymph, *Aeneolamia varia* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6546 D Chandler (HRI 36.79). *Otiiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 7418 [CSIRO FI-0322] Larva, [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.
- 7419 [CSIRO FI-0323] Larva, [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.

- 7423 [CSIRO FI-0331] Larva, [Diptera: Stratiomyidae]. 2 Jan 1989. Australia: Fairymead, Queensland.
- 7426 [CSIRO FI-0427] Larva, [Diptera: Stratiomyidae]. 14 Apr 1989. Australia: Dorvenison, Innisfail, Queensland.
- 7427 [CSIRO FI-0487] Adult, [Diptera: Stratiomyidae]. 2 Jun 1989. Australia: pupation site, Sommerfield, Queensland.
- 7428 [CSIRO FI-0488] Adult, [Diptera: Stratiomyidae]. 2 Jun 1989. Australia: pupation site, Sommerfield, Queensland.
- 7430 [CSIRO FI-0535] *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 24 Jul 1989. Australia: Kapalga, Northern Territory.
- 7432 [CSIRO FI-0610] Mound material from nest, *Coprototermes lacteus* [Isoptera: Rhinotermitidae]. 26 Mar 1990. Australia: Brown Mountain, New South Wales.
- 7450 [CSIRO FI-0976] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 11 Jun 1992. Australia: Queensland.
- 7487 [CSIRO FI-1029] IMI (168777ii). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1 Jun 1994. Ethiopia. Ex-type isolate.
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- 7980 [ARSEF 2627; CNPAF PL-43; IBCB CP 242] *Mahanarva posticata* [Hemiptera: Cercopidae]. Rec'd 29 Mar 2006. Brazil: Cortês, Pernambuco. Commercial product from Biotech, Brazil. **RESTRICTED ACCESS: consult Curator.**
- 7981 [CENARGEN CG 858; IBCB 10] *Mahanarva fimbriolata* [Hemiptera: Cercopidae]. Rec'd 29 Mar 2006. Brazil: Araçatuba, São Paulo. Commercial product from BioCerto, Brazil. **RESTRICTED ACCESS: consult Curator.**
- 10472 C Thamarai Chelvi (1). *Holotrichia serrata* [Coleoptera: Scarabaeidae]. 25 Aug 2009. India: Bannari Amman Sugar Mill area, Sathyamangalam, Tamil Nadu.
- 10473 C Thamarai Chelvi (2). *Spodoptera litura* [Lepidoptera: Noctuidae]. 21 Oct 2009. India: Coimbatore, Tamil Nadu. Tamil Nadu Agricultural University, Department of Plant Pathology.
- 10474 C Thamarai Chelvi (3). Rec'd 8 Dec 2010. India: Salem Sugar Mill area, Rasipuram, Tamil Nadu.
- 10475 C Thamarai Chelvi (4). *Holotrichia consanguinea* [Coleoptera: Scarabaeidae]. 6 Apr 2010. India: Timiri village, Vellore Sugar Mill area, Vellore, Tamil Nadu.
- 10476 C Thamarai Chelvi (5). *Holotrichia serrata* [Coleoptera: Scarabaeidae]. 2 Mar 2010. India: Salem Sugar Mill area, Rasipuram, Tamil Nadu.
- 10477 C Thamarai Chelvi (6). Rec'd 8 Dec 2010.
- Metarhizium anisopliae* var. *acridum*** Driver, Milner & Trueman [Sordariomycetes: Hypocreales] Clavicipitaceae. Species remaining here need genomic confirmation before reassignment under classification of Bischoff et al. (2009), presumably to *M. acridum*.
-
- 3606 IMI (I91-609). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Benin.
- 3614 IMI (I91-671). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 26 Feb 1992. Benin.
- 5734 ST Jaronski (SP3). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 7522 [ARSEF 324] RJ St. Leger. Feb 1979. Australia: Queensland.
- 7970 [CSIRO FI-985] *Austracris guttulosa* [Orthoptera: Acrididae]. 29 Aug 1992. Australia: Rockhampton, Queensland.
- 8359 [CSIRO FI-0985] DEN Rangel and DW Roberts (F985). *Austracris guttulosa* [Orthoptera: Acrididae]. Rec'd 20 Feb 2007. Australia: Rockhampton, Queensland. **RESTRICTED ACCESS: consult Curator.**
- 8360 DEN Rangel and DW Roberts. Rec'd 20 Feb 2007. Patented, commercialized strain, Green Guard? biological pesticide. **RESTRICTED ACCESS: consult Curator.**
- Metarhizium anisopliae* var. *anisopliae*** [Sordariomycetes: Hypocreales] Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the classification of Bischoff et al. (2009).
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- 6550 D Chandler (HRI 331.92). Larva, *Eumerus strigatus* [Diptera: Syrphidae]. Rec'd 13 Jul 2000. United Kingdom.
- Metarhizium anisopliae* var. *lepidiotae*** Driver, Milner & Trueman [Sordariomycetes: Hypocreales] Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the emergent classification of Bischoff et al. (2009), presumably to *M. lepidiotae*.
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- 7453 [ARSEF 7488; CSIRO FI-1042] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland.
- 8732 [CSIRO FI-0147] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 29 May 1986. Australia: Mossman, Queensland. CULTURE EX TYPE.

Metarhizium anisopliae* var. *majus (Johnston)

Tulloch

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Species remaining here need genomic confirmation before reclassification, presumably as *M. majus*, under the classification of Bischoff et al. (2009).

- 297 KJ Marschall. Larva, *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. 22 Nov 1978. Western Samoa: Apia.
- 298 RS Soper. Larva, *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 22 Feb 1979. Western Samoa: Apia.
- 1383 Acc'd 26 Jun 1984. Location not specified.
- 2151 MC Rombach (170386-1). Larva, *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. 17 Mar 1986. Indonesia: Ciamis, Jawa Barat, Java.
- 3145 INRA (Ma-51) ← A Glandard. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Jan 1971. France: La Minière.
- 8736 [CSIRO FI-1000] *Spodoptera* sp. [Lepidoptera: Noctuidae]. 11 May 1993. Malaysia: Cameron Highlands.

Metarhizium brunneum Petch

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Restored from synonymy variously with *M. anisopliae* and *M. album* as part of the genomic classification of Bischoff et al. (2009).

- 346 [CSIRO FI24] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Acc'd 4 Apr 1980. Australia: Adelaide, South Australia.
- 455 [QEC 410.0] RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 472 [CSIRO FI55; DAR 29768] J Walker ← A Wescott. [Coleoptera: Scarabaeidae]. Sep 1977. Australia: BCRI, R.D. 66, Rydalmere, New South Wales.
- 817 GG Soares (17). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistère.
- 820 GG Soares (A7) ← M Marchal. 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jan 1982. France: Angers, Maine-et-Loire.
- 988 J Aoki (Met. 1). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.
- 1066 [ARSEF ?397] TJ Poprawski ← S Keller (92). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 29 May 1981. Switzerland: Iselisberg.
- 1095 DW Roberts ← S Keller (Ma 43). *Carpocapsa pomonella* [Lepidoptera: Olethreutidae]. Acc'd 16 Feb 1984. Austria. Strong destruxin producer.
- 1112 KV Deseö (32B) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.
- 1116 KV Deseö (40B) ← Celli. Pupa, *Leucoptera scitella* [Lepidoptera: Lyonetiidae]. Aug 1982. Italy: Ravenna, Emilia-Romagna.
- 1187 [INRA Ma-23] TJ Poprawski ← GCN Latch. *Orycanus* sp. [Lepidoptera: Hepialidae]. 20 Jan 1966. New Zealand: Palmerston North, North Island.
- 1278 IMI (170289) ← GL Barron. Soil. 1973. Canada.
- 2042 [IMI 113863] MC Rombach ← GL Barron (10277). Peat soil in cedar bog. 1960. Canada: Guelph, Ontario.
- 2107 [CBS 316.51; IMI 014746; NRRL 1944; QM 191] MC Rombach ← KB Raper and LP Rockwood. Larva, *Agriotes* sp. [Coleoptera: Elateridae]. 29 Jun 1933. USA: Forest Grove, Oregon. Ex-type isolate.
- 2210 [ARSEF 2225] MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwuring (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.
- 2224 MC Rombach (140486). [Coleoptera: Curculionidae]. 14 Apr 1986. Indonesia.
- 2742 GW Riethmacher (B4T8). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.
- 2764 SR Sánchez Peña (1). Dermaptera isolate passed through *Pogonomyrmex* sp. [Hymenoptera: Formicidae]. 22 Apr 1987. Mexico: Tecmán, Colima.
- 2974 C López Lastra. Adult, *Aedes crinifer* [Diptera: Culicidae]. 30 Nov 1988. Argentina: Los Talas, Berisso, Buenos Aires.
- 3045 WE Jones (FST). *Coptotermes formosanus* [Isoptera: Rhinotermitidae]. May 1990. USA: Oahu, Hawaii.
- 3294 J Gutierrez Samperio (10) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1989. Mexico: Colima.
- 3295 J Gutierrez Samperio (11) ← ERD Reyes. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on soybeans. 1987. Mexico: Tamaulipas.
- 3297 J Gutierrez Samperio (13) ← ERD Reyes. *Boophilus* sp. [Acari: Ixodidae] on cow. 1987. Mexico: Colima.
- 3738 SR Sánchez Peña. Alate, *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 6 Jul 1992. USA: Texas A&M University campus, College Station, Texas.
- 3826 CF Andrade (IF#2). Larva, *Ochlerotatus triseriatus* [Diptera: Culicidae]. 11 May 1992. USA: Stair Park, Vestal, NY.
- 3864 LA Lacey (92141). *Popillia japonica* [Coleoptera: Scarabaeidae]. 22 Oct 1992. Portugal: Terceira Island, Azores.
- 4020 T Steenberg (211) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Jul 1990. Denmark: Silkeborg, Århus.
- 4131 [DAT 10] AC Rath (F010). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Waitpinga, South Australia.

- 4152 [DAT 147] AC Rath (F147) ← H Yip (HY214). Soil. 26 Oct 1988. Australia: Buckland, Tasmania.
- 4158 [DAT 166] AC Rath (F166) ← H Yip (HY195). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.
- 4164 [DAT 192] AC Rath (F192) ← H Yip (HY169). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4179 [DAT 208] AC Rath (F208) ← H Yip (HY153). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.
- 4228 [CRI 35-79; DAT 120] AC Rath (F120) ← AT Gillespie. Larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 28 Jan 1988. Australia: Crops Research Inst..
- 4251 [DAT 213] AC Rath (F213) ← H Yip (HY148). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.
- 4615 [DAT 369] AC Rath (F369) ← H Yip (HY229). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 5198 RA LeBrun (Bio 1020). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 20 May 1996. Germany.
- 5625 I Vänninen (SF85-56). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 10 Aug 1985. Finland: Toholampi, Vaasan Lääni.
- 5626 I Vänninen (SF86-38). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Aug 1986. Finland: Pälkäne, Hämeen Lääni.
- 5751 MCHCA Bernal (MaPL40). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1996. Mexico: Isla Socorro, Colima.
- 6120 C López Lastra. Larva, *Diloboderus abderus* [Coleoptera: Scarabaeidae] from soil. Nov 1996. Argentina: Lincoln, Buenos Aires.
- 6392 TL Dubois (VD 5 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 6474 I Klingen (SKA.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Sep 1999. Norway: Skavanget.
- 6477 I Klingen (HAG.99). Larva, *Phyllopertha horticola* [Coleoptera: Scarabaeidae] in lawn. 18 Sep 1999. Norway: Moss, Østfold.
- 7234 AE Hajek (VD-1) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] reared from wood collected in Chicago, IL. Rec'd 5 Jan 2004. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 7433 [CSIRO FI-0692] 8 Sep 1990. Burma.
- 7434 [CSIRO FI-0694] Aug 1990. Burma.
- 7711 [I Earth BioScience F52; IMI 385045] T Corell. Rec'd 1 Jun 2005. Austria. **RESTRICTED ACCESS:** consult Curator.
- 8415 AE Hajek (FS6). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Mar 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8416 AE Hajek (VD3). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 26 Sep 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8417 AE Hajek (VD7). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 20 Jul 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8418 AE Hajek (VD8). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 10 Jul 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8419 AE Hajek (VD9). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 8 Jul 1999. USA: Quarantine colony, Ansonia, Connecticut.
- 8671 Z Demirbag (KTU-60). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane. Identification confirmed by gene sequences.
- 9608 T Myles (G55ai). Rec'd 16 Mar 2010. Canada: Guelph, Ontario.

Metarhizium flavoviride W Gams & Rozsypal
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 2024 [ARSEF 1184; INRA Mf-88] CBS (700.74) ← P Ferron. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Acc'd 23 Oct 1985. France: Brittany, Morbihan.
- 2026 CBS (473.73) ← W Gams and J Rozsypal ← JW Veenbaas-Rijks. Field soil. 1973. Netherlands.
- 2133 [CBS 218.56; IMI 170146] ATCC (32969) ← J Rozsypal. Larvae & pupae, *Ceutorhynchus macula-alba* [Coleoptera: Curculionidae]. 1956. Czech Republic. CULTURE EX TYPE.
- 4221 [DAT 247] AC Rath (F247) ← H Yip (HY114). Soil. 8 Jul 1988. Australia: Latrobe, Tasmania.
- 4272 [DAT 210] AC Rath (F210) ← H Yip (HY151). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4304 [DAT 393] AC Rath (F393) ← H Yip (HY253). Soil. Rec'd 6 Jun 1994. Australia: Smithton, Tasmania.
- 6416 EA Ouna (Sudan P1 (b)). Rec'd 22 Dec 1999.
- 8737 [CSIRO FI-1002] *Lachnosterna bidentata* [Coleoptera: Scarabaeidae]. 11 May 1993. Malaysia: Tapah.
- 8758 [CSIRO FI-1155] *Chortoicetes terminifera* [Orthoptera: Acrididae]. 12 Jan 1996. Australia: Ravensworth, Hunter Valley, New South Wales.

Metarhizium flavoviride 'Type E' (see Driver et al., 2000)
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the classification of Bischoff et al. (2009).

2948 [CP 271] SP Wraight ← LG Leite. [Hemiptera: Cicadellidae]. 30 Apr 1989. Brazil: Campinas, São Paulo.

Metarhizium flavoviride var. *flavoviride*
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1184 [ARSEF 2024; CBS 700.74; INRA Mf-88] TJ Poprawski ← P Ferron. *Otiorynchus sulcatus* [Coleoptera: Curculionidae]. Jan 1974. France: Brittany, Morbihan.

2025 CBS (125.65) ← W Gams and J Rozsypal. Brassica oleracea (agricultural soil). 1963. Germany: Kiel-Kitzeberg.

4719 [DAT 130] AC Rath (F130). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1 Sep 1988. Australia: Campbelltown, Tasmania.

4720 [DAT 133] AC Rath (F133). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1 Sep 1988. Australia: Mt. Morriston, Ross, Tasmania.

4727 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.

4729 [DAT 238] AC Rath (F238) ← H Yip (HY123). Soil. 7 Aug 1988. Australia: Tasmania.

4730 [DAT 256] AC Rath (F256) ← H Yip (HY104). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.

Metarhizium flavoviride var. *minus* Rombach, Humber & Roberts
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1099 DW Roberts (A8). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1271 DW Roberts (S). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1272 DW Roberts (Bq). Biotype 2, *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1273 DW Roberts (T2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1274 DW Roberts (BPH-5). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1275 DW Roberts (BPH-8). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1276 DW Roberts (IV). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: Plant Breeding, IRRI, Los Baños, Manila.

1277 DW Roberts (I). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Breeding, IRRI, Los Baños, Manila.

1279 DW Roberts (IX). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.

1283 DW Roberts (VII). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Field, IRRI, Los Baños, Manila.

1287 DW Roberts (BPH-10). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1288 DW Roberts ((i)I). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1289 DW Roberts (BPH-7). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1291 DW Roberts (A1). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1292 DW Roberts (C). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1293 DW Roberts (H). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1294 [ARSEF ?1295] DW Roberts (BPH-3[?]). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1295 [ARSEF ?1294] DW Roberts (BPH-3[?]). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1296 DW Roberts (BPH-6). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1297 DW Roberts (A9). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1301 DW Roberts (VI). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.

1302 DW Roberts (5A). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1303 DW Roberts (A10). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1305 DW Roberts (R). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

- 1546 MC Rombach (Lib.11) ← RM Aguda. *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 1983. Philippines: Bicol region.
- 1547 MC Rombach (Lib.16) ← RM Aguda. *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 1983. Philippines: Bicol region.
- 1763 [ATCC 200913] MC Rombach ← T Ho (Sol-31). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1764 MC Rombach ← T Ho (Sol-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1765 MC Rombach ← T Ho (Sol-28). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1766 MC Rombach ← T Ho (Sol-5). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1767 MC Rombach ← T Ho (Sol-17). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1768 MC Rombach ← T Ho (Sol-7). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1769 MC Rombach ← T Ho (Sol-14). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1770 MC Rombach ← T Ho (Sol-30). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1771 MC Rombach ← T Ho (Sol-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1772 MC Rombach ← T Ho (Sol-11). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1773 MC Rombach ← T Ho (Sol-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1945 MC Rombach (MALBIRRI). *Nephotettix virescens* [Hemiptera: Cicadellidae]. Acc'd 11 Sep 1985. Philippines: IRRRI, Los Baños, Manila.
- 2023 CBS (544.81) ← HC Evans. [Orthoptera: Acrididae]. 1981. Ecuador: Santa Fe Island, Galapagos Islands.
- 2037 MC Rombach (051185-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 Nov 1985. Philippines: IRRRI, Los Baños, Manila. CULTURE EX TYPE.
- 2339 MC Rombach (120186-2). [Hemiptera: Cicadellidae] on rice. 12 Jan 1986. Philippines: Palawan.
- 6593 [IITA 189] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: N'Dali, Borgou.
- 6594 [IITA 190] A Cherry. Abandoned *Macrotermes* termite mound. Rec'd 18 Sep 2000. Benin: Sassaduro, Alibori, Borgou.
- 6595 [IITA 191] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Kpebie, Perere, Borgou.
- 6596 [IITA 192] A Cherry. From bark mixed with sand. Rec'd 18 Sep 2000. Benin: Koda, Tchaourou, Borgou.
- 6599 [IITA 195] A Cherry. From plant fragments. Rec'd 18 Sep 2000. Benin: Djidja, Zou.
- 6601 [IITA 197] A Cherry. From soil. Rec'd 18 Sep 2000. Benin: Kpassagon, Zou.
- Metarhizium flavoviride* var. *novazealandicum***
Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 8214 [CSIRO FI-0702] Larva, [Lepidoptera: Crambidae]. 8 Oct 1990. New Zealand: Christchurch, South Island.
- 8750 [CSIRO FI-1124] Isolated from soil sample. 26 May 1994. Australia: Macquarie Island, Tasmania.
- Metarhizium flavoviride* var. *pemphigum*** Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]
Clavicipitaceae
-
- 6569 D Chandler (HRI 99.82). *Pemphigus trehernei* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom: coastal salt marshes, Norfolk, England.
- 7491 [CSIRO FI-1101] *Pemphigus* sp. [Hemiptera: Aphididae]. 12 May 1994. United Kingdom: Norfolk, England.
- 9358 T Myles (Guelph RF-08a). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Summer 2008. Canada: Woolwich Termite Management Area (sector 7), Guelph, Ontario.
- Metarhizium frigidum*** Bischoff & Rehner in Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. See Mycologia 98: 737-745 (2006)
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- 4124 [DAT 1] AC Rath (F001) ← Reinganum (124). Larva, *Adoryphorus* sp. [Coleoptera: Scarabaeidae]. 10 Jun 1994. Australia: Ballarat, Victoria. 'Ex type' isolate.
- 4219 [DAT 175] AC Rath (F175) ← H Yip (HY186). Soil. 5 Oct 1988. Australia: Gardners Bay, Tasmania.
- 4277 [DAT 234] AC Rath (F234) ← H Yip (HY127). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4294 [DAT 281] AC Rath (F281) ← H Yip (HY79). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca.
- 4561 [DAT 385] AC Rath (F385) ← H Yip (HY245). Soil. 1989. Australia: Liawenee, Tasmania.
- 4680 [DAT 176] AC Rath (F176) ← H Yip (HY185). Soil. 5 Oct 1988. Australia: Cygnet, Tasmania.
- 4765 [DAT 412] AC Rath (F412) ← H Yip (HY272). Soil. 3 Nov 1988. Australia: Stonehouse, Tasmania.

- 7436 [CSIRO FI-0733] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound F (F5). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7437 [CSIRO FI-0737] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7438 [CSIRO FI-0746] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7439 [CSIRO FI-0747] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F 11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7440 [CSIRO FI-0748] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound G (G3). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7441 [CSIRO FI-0758] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7442 [CSIRO FI-0761] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G15). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7443 [CSIRO FI-0764] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7444 [CSIRO FI-0776] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound I (I12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7445 [CSIRO FI-0777] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound I (I18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7446 [CSIRO FI-0783] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound H (H16). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7447 [CSIRO FI-0785] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound J (J11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7448 [CSIRO FI-0793] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- Metarhizium globosum* JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Recognized as part of an emergent genomic reclassification by Bischoff et al. (2009).
- 2596 RC Rajak (ENT/12). *Pyrausta machaeralis* [Lepidoptera: Pyralidae] on teak, *Tectona grandis*. Acc'd 12 Sep 1988. India. Ex-type isolate used to typify this species.
- Metarhizium guizhouense* QT Chen & HL Guo
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Segregated from the *M. anisopliae* species complex as part of genomic reclassification of Bischoff et al. (2009). Synonym: *M. taii* ZQ Liang & AY Liu. Teleomorph: *Cordyceps taii* ZQ Liang & AY Liu.
- 683 [QEC 433.0] DW Roberts (102381-9). Larva, [Coleoptera: Scarabaeidae] in sugar cane. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.
- 703 RS Soper. *Bombyx mori* [Lepidoptera: Bombycidae]. 11 Nov 1981. PR China: Hangzhou, Zhijiang.
- 819 GG Soares (21) ← JP Aeschlimann. 5th instar larva, *Sitona discoideus* [Coleoptera: Curculionidae]. 29 Mar 1982. France: Montpellier, Hérault.
- 977 [GCRI 134-82] RA Hall ← A Vey. *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France.
- 1092 DW Roberts ← K Kawakami (621). Soil. 22 Aug 1983. Japan.
- 1093 DW Roberts ← K Kawakami (773). Soil. 1982. Japan.
- 2140 T Searle (N). Larva, [Lepidoptera: Noctuidae]. Jul 1985. Canada: Southern Québec.
- 3603 IMI (152222) ← Deshpande. *Myllocerus discolor* [Coleoptera: Curculionidae]. Rec'd 26 Feb 1992. India: Mudigere.
- 3611 [CSIRO FI 1033] IMI (I91-633). *Pseudosphingonotus savignyi* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Oman.
- 4153 [DAT 148] AC Rath (F148) ← H Yip (HY213). Soil. 26 Oct 1988. Australia: Bracknell, Tasmania.
- 4303 [DAT 278] AC Rath (F278) ← H Yip (HY82). Soil. Rec'd 6 Jun 1994. Australia: Campbelltown, Tasmania.
- 4321 [DAT 375] AC Rath (F375) ← H Yip (HY235). Soil. Rec'd 6 Jun 1994. Australia: Cleveland, Tasmania.
- 4588 [DAT 47] AC Rath (F047) ← RJ Milner (FI123). Host not specified. 20 Oct 1987. Australia: New South Wales.
- 4604 [DAT 473] AC Rath (F473) ← W Theunis (PNG 1). *Papuana woodlarkiana* [Coleoptera: Scarabaeidae]. 22 Jun 1993. Papua New Guinea: Lae, Morobe Province.
- 5714 JM Sung. Rec'd 11 May 1998.
- 6238 [RCEF 0262] Pupa, [Lepidoptera]. 30 Jun 1996. PR China: Anhui.

- 7420 [CSIRO FI-0327] Larva, [Diptera: Stratiomyidae]. 20 Jan 1989. Australia: Walkers Point, Queensland.
- 7502 CSIRO (FI-1417). AMMRL 154.03. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.
- 7507 [CSIRO FI-1469] Isolated from soil sample 6E-1. 12 May 2003. Republic of Kiribati.

Metarhizium lepidiotae (Driver & Milner) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *M. anisopliae* var. *lepidiotae* Driver et al. (2000; as var. *lepidiotum*). Placement of isolates here has been confirmed under the genomic reclassification of Bischoff et al. (2009).

- 4154 [DAT 151] AC Rath (F151) ← H Yip (HY210). Soil. 26 Oct 1988. Australia: Deloraine, Tasmania.
- 4587 [DAT 476] AC Rath (F476) ← W Theunis (PNG 3B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea.
- 4660 [DAT 475] AC Rath (F475) ← W Theunis (PNG 2B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea: Lae, Morobe Province.
- 7412 [CSIRO FI-0152] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.
- 7488 [ARSEF 7453; CSIRO FI-1042] *Dermolepida al-bohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland. Ex-type isolate used by Driver et al. (2000) to describe *Metarhizium anisopliae* var. *lepidiotae*.

Metarhizium majus (JR Johnston) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *M. anisopliae* var. *majus* (JR Johnston) MC Tulloch. Placement of isolates here has been confirmed under the genomic classification of Bischoff et al. (2009).

- 473 [DAR 28052; QEC 429.0] J Walker ← G Johnson. Soil under *Eucalyptus* sp. Jan 1973. Australia: Canberra, Australian Capital Territory.
- 978 [GCRI 148-82] RA Hall ← A Vey. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France.
- 1015 J Aoki (Met. 4) ← T Kushida. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Hachioji, Tokyo Prefecture.
- 1858 DW Roberts (Pol-42). [Coleoptera: Scarabaeidae]. Acc'd 19 Mar 1985. Poland.
- 1859 DW Roberts (Pol-32). [Coleoptera: Scarabaeidae]. Acc'd 19 Mar 1985. Poland.
- 1914 MC Rombach. Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Apr 1985. Philippines: nr. Tiaong Experimental Station, Quezon. Ex-epitype isolate for this species.

- 1946 MC Rombach (MMQ). *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Acc'd 11 Sep 1985. Philippines: Tiaong Experimental Station, Quezon.
- 2808 GW Riethmacher (B16m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 22 May 1989. Philippines: Atimonan, Quezon.
- 4566 [DAT 514] AC Rath (F514). Larva, *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Leighlands, New England, New South Wales.
- 4601 [DAT 515] AC Rath (F515). Larva, *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New South Wales.
- 7505 [CSIRO FI-1449] *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 12 Jun 2001. Australia: Northern Queensland, Queensland.

Metarhizium pingshaense QT Chen & HL Guo

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Genomically confirmed and distinguished from *M. anisopliae* by the reclassification of Bischoff et al. (2009).

- 436 SJ Gagen (2). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Hexham, Victoria.
- 437 SJ Gagen (3). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia.
- 439 SJ Gagen (5). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Byaduck, Victoria.
- 443 SJ Gagen (9). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Camperdown, Victoria.
- 444 SJ Gagen (10). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Byaduck, Victoria.
- 446 SJ Gagen (12). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Mortlake, Victoria.
- 538 DW Roberts. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. 20 Aug 1980. Thailand.
- 552 DW Roberts ← MA Naves. *Galactica* sp. [Lepidoptera]. Nov 1980. Brazil: Brasília, Distrito Federal.
- 576 [QEC 427.0] RS Soper (8133-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 588 [QEC 431.0] JM Lenné (E1). Soil. Rec'd 13 Apr 1981. Colombia: Espinal, Tolima.
- 712 DW Roberts. 7 May 1981. PR China.
- 1009 J Aoki (Met. 5) ← K Kojo. *Ornebius kanetataki* [Orthoptera: Gryllidae]. Jul 1976. Japan: Fuchu, Tokyo Prefecture.
- 1011 J Aoki (Met. 8). Soil. Aug 1982. Japan: Fuchu, Tokyo Prefecture.

- 1448 [CNPAF 83-12-27; CP 122] E Ferreira. *Scaptorea castanea* [Hemiptera: Cydnidae]. 27 Dec 1983. Brazil: Goiátuba, Goiás.
- 1545 MC Rombach (Ma Pal.II). Adult, *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. Jun 1984. Philippines: Brooke's Point region, Palawan.
- 1724 DW Roberts (29103) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1725 DW Roberts (291017) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1729 DW Roberts (2910B) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 2043 MC Rombach (061185-1). *Nephotettix cincticeps* [Hemiptera: Cicadellidae]. 6 Nov 1985. Philippines: IRRI field, Los Baños, Manila.
- 2106 DG Holdom (100286-3). *Nephotettix virescens* [Hemiptera: Cicadellidae]. 10 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2162 BN Muthappa (PNG 12721). Larva, [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2231 K Narayanan (7). *Zygommatia bicolorata* [Coleoptera: Chrysomelidae]. Rec'd 27 Aug 1986. India.
- 2735 GW Riethmacher (Ma1). *Spodoptera* sp. [Lepidoptera: Noctuidae]. 29 Dec 1988. Philippines: La Trinidad, Benguet.
- 2809 GW Riethmacher (B17b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 5 Jun 1989. Philippines: La Trinidad, Benguet.
- 3044 WE Jones (WSP). Soil from sweet potato crop. Mar 1990. USA: Oahu, Hawaii.
- 3180 GW Riethmacher (B34). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 1 Mar 1990. Philippines: Louisiana, Laguna.
- 3193 GW Riethmacher (B45b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 28 May 1990. Philippines: Villiasis, Pangasinan.
- 3210 RC Rajak (49). [Coleoptera]. Rec'd 3 Jun 1991. India.
- 3604 IMI (298059). *Scapanes australis* [Coleoptera: Scarabaeidae]. Rec'd 26 Feb 1992. Papua New Guinea.
- 3610 [CSIRO FI 208] IMI (I91-625). *Pseudosphingonotus savignyi* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Oman.
- 4342 [DAT 491] AC Rath (F491) ← W Theunis (SOL IS 15). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4366 LA Lacey (94116). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4610 [DAT 480] AC Rath (F480) ← W Theunis (SOL IS 4). Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 5197 M Browning ← RA LeBrun ← CW McCoy (Mada). *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 20 May 1996. USA: Florida.
- 7410 [CSIRO FI-0114] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 30 Oct 1985. Australia: The Hummock, Bundaberg, Queensland.
- 7414 [CSIRO FI-0203] Larva, [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Firran, New South Wales.
- 7415 [CSIRO FI-0206] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.
- 7416 [CSIRO FI-0208] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.
- 7417 [CSIRO FI-0295] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 13 Oct 1988. Australia: Bundaberg, Queensland.
- 7421 [CSIRO FI-0328] Larva, [Diptera: Stratiomyidae]. 2 Jan 1989. Australia: monitoring site, Walkers Point, Queensland.
- 7422 [CSIRO FI-0330] Larva, [Diptera: Stratiomyidae]. 2 Jan 1989. Australia: Fairymead, Queensland.
- 7425 [CSIRO FI-0379] Larva, [Diptera: Stratiomyidae]. 28 Mar 1989. Australia: S. Lines, South Kolan, Queensland.
- 7429 [CSIRO FI-0516] Larva, [Diptera: Stratiomyidae]. 28 Jun 1989. Australia: pupation site, Sommerfield, Queensland.
- 7431 [CSIRO FI-0550] *Coptotermes lacteus* [Isoptera: Rhinotermitidae]. 20 Dec 1989. Laboratory isolation.
- 7435 [CSIRO FI-0700] *Costelytra zealandica* [Coleoptera: Scarabaeidae]. 8 Oct 1990. New Zealand: South Island.
- 7929 [CSIRO FI-0375] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.
- 8420 AE Hajek (WU19). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.
- Metarhizium robertsii*** JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Segregated from *M. anisopliae* as part of a genomic reclassification by Bischoff et al. (2009). A complete genomic sequence of ARSEF 8820 (a single-spored reisolate of ARSEF 2575) is being compiled.
- 23 RS Soper (F84-1-1) ← RL Rabb. *Conoderus* sp. [Coleoptera: Elateridae]. 1961. USA: North Carolina.

- 724 [CNPAF 82-2-15-04; CP 25] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 727 [CABI 351805; CNPAF 82-2-2-01; CP 21] RA Daoust ← Y Tanaka. [Orthoptera: Tettigoniidae]. 2 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 797 DA Rodriguez Sierra. Larva, *Ancognatha scarabaeoides* [Coleoptera: Scarabaeidae]. Jun 1981. Colombia: Madrid, Cundinamarca.
- 1046 J Aoki (Met. 6) ← K Yanase. *Popillia japonica* [Coleoptera: Scarabaeidae]. Jul 1977. Japan: Fuchu, Tokyo Prefecture.
- 1057 [CNPS 30A] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.
- 1120 KV Deseö (72). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. Oct 1982. Italy: Modena, Emilia-Romagna.
- 1298 DW Roberts (MaT3JB-B) or (single spore isolate #9). *Popillia japonica* [Coleoptera: Scarabaeidae]. Feb 1978. USA: Clinton Corners, New York.
- 1878 DW Roberts (MaT3JB-A). *Popillia japonica* [Coleoptera: Scarabaeidae]. 1978. USA: Clinton Corners, New York.
- 1897 DW Roberts (V-14 (F84 mutant)). *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 11 Jun 1985. USA: California.
- 1910 DW Roberts ← S Keller (Ma52(S4)). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Acc'd 18 Jun 1985. Germany.
- 1952 [CNPAF 85-7-21; CP 177] SM dos Santos. ?*Cirtoneumus* sp. [Hemiptera: Cydnidae]. 27 Jul 1985. Brazil: Goiânia, Goiás.
- 1968 DR Smitley. *Strigoderma arboricola* [Coleoptera: Scarabaeidae]. Aug 1985. USA: East Lansing, Michigan.
- 2134 T Searle (E). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2469 JK Liebherr. Larva, [Coleoptera: Carabidae]. 24 Aug 1987. Mexico: 10.5 km S of Amecameca, Tepetlixpa, Mexico.
- 2514 [CP 236B] SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Oct 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2547 SV Krueger ← FL Consolie and MG Villani. *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Oct 1987. USA: Syracuse, New York.
- 2560 [CP 232] SB Alves (SPL-54A). *Atta sexdens rubropilosa* [Hymenoptera: Formicidae]. Acc'd 13 Apr 1988. Brazil: Piracicaba, São Paulo.
- 2561 [CP 233] SB Alves (507). *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd Apr 1988. Brazil: Piracicaba, São Paulo.
- 2575 [ATCC MYA-3093; IMI I91-613] RJ St. Leger (ME-1) ← Tate and Lyle Ltd (Batch No. B1830). *Curculio caryae* [Coleoptera: Curculionidae]. Acc'd 21 Jul 1988. USA: South Carolina. Ex-type culture; a complete genomic sequencing is being obtained for a single-spored reisolat (ARSEF 8820) of this isolate.
- 2981 T Searle (CWMA). Larva, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2982 T Searle (PAMA). External parasite on *Phyllophaga anxia* [Coleoptera: Scarabaeidae] larva. 1987. Canada: Québec.
- 3043 WE Jones (FLS). Soil from lettuce crop. Mar 1990. USA: Island of Hawaii, Hawaii.
- 3108 SV Krueger (MaEC1). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3211 SV Krueger (MaEC2). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3388 I Majchrowicz (3a). *Tribolium castaneum* [Coleoptera: Tenebrionidae] on asparagus. 16 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3540 M Brownbridge (B-2). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 29 Nov 1991. USA: oak stand, Leddy Park, Chittenden County, Vermont.
- 3608 [ARSEF 2575] IMI (I91-613) ← RJ St. Leger (ME-1) ← Tate and Lyle Ltd (Batch No. B1830). *Curculio caryae* [Coleoptera: Curculionidae]. Rec'd 26 Feb 1992. USA.
- 3721 RA LeBrun ← J Hanula. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 3 Jun 1991. USA: Clinton, Connecticut.
- 3925 DR Sosa-Gómez (CNPSO-Ma60). [Hemiptera: Cicadidae]. 19 Feb 1992. Argentina: San Miguel de Tucumán, Tucumán.
- 4123 [ARSEF 2547] L Marold (ARSEF2547). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Rec'd 2 May 1994. USA: Syracuse, New York. Replaces ARSEF 2547.
- 4227 [DAT 37] AC Rath (F037). Soil. 1987. Australia: Woodbury, Tasmania.
- 4241 [DAT 46] AC Rath (F046) ← RJ Milner (F1122). Host not specified. 20 Oct 1987. Australia: New South Wales.
- 4621 [DAT 44] AC Rath (F044) ← RJ Milner (F1120). Host not specified. 20 Oct 1987. Australia: New South Wales.
- 4628 [DAT 152] AC Rath (F152) ← H Yip (HY209). Soil. 26 Oct 1988. Australia: Campbelltown, Tasmania.
- 4739 [DAT 298] AC Rath (F298) ← H Yip (HY61). Soil. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.
- 4903 LA Lacey (95005). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.

- 4919 LA Lacey (95021). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5149 DL Hostetter (T100) ← IOB Armas. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 23 Jan 1996. Portugal: Terceira Island, Azores.
- 5873 FE Vega (EBCL 97095). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Aug 1997. Romania: Voroneț.
- 6472 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.
- 6476 I Klingen (EFF.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Sep 1999. Norway: Effeløt.
- 6755 GUL Braga and DW Roberts (DWR 62). 3 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 6841 GUL Braga and DW Roberts (DWR 59). 19 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6842 GUL Braga and DW Roberts (DWR 60). 9 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 6843 GUL Braga and DW Roberts (DWR 61). 24 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6844 GUL Braga and DW Roberts (DWR 62). 3 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 6845 GUL Braga and DW Roberts (DWR 63). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6846 GUL Braga and DW Roberts (DWR 64). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6847 GUL Braga and DW Roberts (DWR 65). 11 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (light green) obtained from ARSEF 2575 following UV-B exposure.
- 6848 GUL Braga and DW Roberts (DWR 66). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6864 GUL Braga and DW Roberts (DWR 172). 8 Nov 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6865 GUL Braga and DW Roberts (DWR 173). 7 Nov 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 7413 [CSIRO FI-0163] *Kaloterme* sp. [Isoptera: Kalotermitidae]. 18 Nov 1986. Australia: Sydney University, Sydney, New South Wales.
- 7424 [CSIRO FI-0358] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 8 Feb 1989. Australia: Busselton, Western Australia.
- 7449 [CSIRO FI-0911] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 7501 CSIRO (FI-1416). AMMRL 154.02. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.
- 8321 AC Churchill (ARSEF 2575 SS1). 11 Dec 2000. USA: USDA ARS Plant Protection Research Unit, Ithaca, New York. Single spore re-isolate of ARSEF 2575 passed through *Spodoptera exigua* Hübner, beet armyworm.
- 8322 AC Churchill (ARSEF 2575 SS2). 11 Dec 2000. USA: USDA ARS Plant Protection Research Unit, Ithaca, New York. Single spore re-isolate of ARSEF 2575 passed through *Spodoptera exigua* Hübner, beet armyworm.
- 8820 BD Donzelli (SS#1). 14 Oct 2008. Laboratory isolation. A complete genomic sequence is being obtained from this single-spore re-isolate of ARSEF 2575.
- 9607 T Myles (Guelph-RF-08b). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 16 Mar 2010. Canada: Guelph, Ontario.
- 10000 DW Roberts (DWR 1997). Isolated from soil sample SS 10655. 11 Jun 2008. USA: Elko County, Nevada. N 41.30356, W 116.2446.

Metarhizium taii ZQ Liang & AY Liu

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Species remaining here need to be confirmed genomically for placement, presumably, in *M. guizhouense*.

- 6750 GUL Braga and DW Roberts (DWR 04). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 5714 following UV-B exposure.
- 6751 GUL Braga and DW Roberts (DWR 05). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.
- 6752 GUL Braga and DW Roberts (DWR 06). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

- 6753 GUL Braga and DW Roberts (DWR 09). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.
- 6754 GUL Braga and DW Roberts (DWR 10). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

Microhilum oncoperae Yip & Rath

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 4358 [DAT 424] AC Rath (F424) ← Harradine. Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. Rec'd 6 Jun 1994. Australia: Melton Vale, York Plains, Tasmania.
- 4769 [DAT 420] AC Rath (F420). *Oncopera intricata* [Lepidoptera: Hepialidae]. Acc'd 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania. Appears contaminated with a possible *Fusarium* sp.
- 4770 [DAT 421] AC Rath (F421). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania.
- 4771 [DAT 422] AC Rath (F422). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Sep 1989. Australia: Jericho, Tasmania.

***Mixed Culture* sp.**

The two members in these mixed cultures have not been successfully separated.

- 1043 J Aoki (Paec. 1). *Pyrrhalta fuscipennis* [Coleoptera: Chrysomelidae]. May 1973. Japan: Towada City, Aomori Prefecture. Single Spore Isolation attempted 8vi95. Mixture of PAESP @ VERTSP.
- 2738 GW Riethmacher (B4). *Corcyra cephalonica* [Lepidoptera: Pyralidae] after soil passage. 17 Jan 1989. Philippines: La Trinidad, Benguet. Contains *Paecilomyces fumosoroseus*.
- 2740 GW Riethmacher (T6.1). Soil, using *Tenebrio molitor* [Coleoptera: Tenebriidae] as a trap. 22 Dec 1988. Philippines: La Trinidad, Benguet. Contains *Verticillium* sp. & *Fusarium* sp.
- 2810 GW Riethmacher (B18b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebriidae] as a trap. 9 Jun 1989. Philippines: La Trinidad, Benguet. Contains *Lecanicillium* sp. & *Tolyposcladium niveum*.
- 3178 GW Riethmacher (B31). Soil, using *Tenebrio molitor* [Coleoptera: Tenebriidae] as a trap. 6 Feb 1990. Philippines: La Trinidad, Benguet.
- 3182 GW Riethmacher (B37b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebriidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon. Contains *Verticillium* sp. and *Penicillium* sp.
- 3472 CENARGEN (CG 307). Soil. 1990. Brazil: Goiás. Contains *B. bassiana* and *P. ?farinosus*.

- 4066 T Steenberg (BT5). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand. Mixed culture: *V. lecanii* + (?) *Phialophora* sp.
- 4145 [DAT 81] AC Rath (F081). Soil. 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4245 [DAT 184] AC Rath (F184) ← H Yip (HY177). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.
- 4260 [DAT 250] AC Rath (F250) ← H Yip (HY111). Soil. 8 Jul 1988. Australia: Sorell, Tasmania.
- 4387 LA Lacey (94138). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou. *Paecilomyces fumosoroseus* and *Beauveria brongniartii*.
- 4403 LA Lacey (94063). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla. *Paecilomyces fumosoroseus* and *Beauveria bassiana*.
- 5188 S Gouli (GA-98). [Coleoptera: Lampyridae]. 26 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 11676 Z Demirbag (As9) ← S Kocagevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11718 T Wen (BB-10). Larva, [Coleoptera]. 2011. PR China: Kunming, Yunnan Province.

Moelleriella umbospora P. Chaverri & K.T. Hodge

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 11870 L Guizar-Guzman and SR Sánchez Peña (U-1). [Hemiptera: Coccoidea] on vine in rainforest habitat. 11 Oct 2012. Mexico: Filobobos River, Tlapacoyan, Veracruz. N 19.961409, W 97.157936.
- 11871 L Guizar-Guzman and SR Sánchez Peña (U-2). [Hemiptera: Coccoidea] on vine in rainforest habitat. 11 Oct 2012. Mexico: Filobobos River, Tlapacoyan, Veracruz. N 19.961409, W 97.157936.

Moelleriella zhongdongii (M Liu & KT Hodge) M

Liu & Chaverri

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Basionym: *Hypocrella zhongdongii* Liu & Hodge

- 8800 M Tadych. On *Piper multiplinervium* C. DC and on leaves of unidentified dicot. 13 Feb 2007. Costa Rica: OTS La Selva Biological Station, Sarapiquí, Heredia. Along the Camino Experimental Sur and Sendero Chanchera trails.

Monacrosporium cionopagum (Drechsler) Subramanian

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 3349 BA Jaffee (G20) ← J Gaspard. Phylum Nemata, Class Secernentea. Rec'd 9 Sep 1991. USA: California.

4943 BA Jaffee (MC127). Used as bait., *Steinernema glaseri* Soil dilution or soil sprinkle plate. 1994. Laboratory manipulation: Single spore isolate. Adhesive branches.

4966 N Viaene (39). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 1993. USA: greenhouse nematode culture, New York.

Monacrosporium doedycoides (Dreschler) Cooke & Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4944 BA Jaffee (CR146). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Location not specified. Single spore isolate.

Monacrosporium elegans Oudemans
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4805 [CBS 301.94] A Rubner (AR 9338). From sheep dung. 10 Oct 1993. Germany: Lebus, Brandenburg.

4807 [CBS 299.94] A Rubner (AR 9229). From soil of a laurel woods. 1989. Spain: Las Mercedes, Tenerife, Canary Islands.

4810 [CBS 300.94] A Rubner (AR 9232). From moss cushion. 1992. Germany: Berlin-Dahlem, Berlin.

Monacrosporium ellipsosporum (Grove) RC Cooke & CH Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3348 BA Jaffee ← J Gaspard. Phylum Nemata, Class Secernentea. Rec'd 9 Sep 1991. USA: California.

3723 KT Hodge (10). Decorticated wood. Rec'd 18 May 1992. Location not specified.

3731 BA Jaffee (MK100a). Rec'd 1 Jun 1992. USA: Merced County, California.

4803 [CBS 303.94] A Rubner (AR 9212). From dead wood. 18 May 1992. Germany: Kronwald, Mecklenburg, Rostock.

4957 N Viaene (8). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Sheldon onion field, Oswego, New York.

4959 N Viaene (10). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] Elba muck. 13 Jul 1992. USA: Elba, New York.

5702 BA Jaffee (AK172). From soil Mar 1998. USA: Lange Vineyard near Lodi, San Joaquin County, California.

Monacrosporium eudematum Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4945 BA Jaffee (AN133). Used as bait., *Steinernema glaseri* Soil dilution or Soil sprinkle plate. 1994. Laboratory manipulation: Single spore isolate.. Three dimensional, adhesive networks.

Monacrosporium parvicolle (Drechsler) RC Cooke & CH Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4946 BA Jaffee (AK147). Used as bait., *Steinernema glaseri* Soil dilution or Soil sprinkle plate. 1994. Laboratory manipulation: Single spore isolate. Adhesive knots.

Monacrosporium psychrophilum (Drechsler) RC Cooke & Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4813 [CBS 318.94] A Rubner (AR 938). From soil. 6 Mar 1993. Ecuador.

Monacrosporium thaumasium (Drechsler) de Hoog & van Oorschot
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4802 [CBS 320.94] A Rubner (AR 9126). From soil. Apr 1991. Thailand.

4806 [CBS 321.94] A Rubner (AR 9137). From soil of warm greenhouse. 30 Aug 1991. Germany: Botanical Garden, Berlin-Dahlem, Berlin.

Mortierella histoplasmatoides W Gams
[Mucormycotina: Mucorales]
Mortierellaceae. 1991. *Boletus* 15(2): 35-36.

2063 [CBS] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Mortierella hyalina (Harz) W Gams
[Mucormycotina: Mucorales]
Mortierellaceae

2061 [ATCC 64258] GC Carroll (RSRS-0/62). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Mucor circinelloides van Tieghem
[Mucormycotina: Mucorales]
Mucoraceae

6470 LS Bauer (2UIC2463). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 19 Feb 2000. USA: East Lansing, Michigan.

Mucor fragilis Bainier
[Mucormycotina: Mucorales]
Mucoraceae

11762 CS Bibbs (42). *Latrodectus geometricus* [Araneae: Theridiidae]. 31 Jan 2011. USA: University of Florida, George A. Smathers Library, Gainesville, Florida. Sequence data: GenBank.

Mucor sp.

[Mucormycotina: Mucorales]

Mucoraceae

- 3535 J Hernández Ramírez (1). *Zulia vilior costarricensis* [Hemiptera: Cercopidae]. Rec'd 23 Jan 1992. Costa Rica.

Myriangiium sp.

[Dothideomycetes: Myriangiales]

- 9915 [ERL 1748] S Gouli (HWA-G-26) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9916 [ERL 1749] S Gouli and V Gouli (HWA-G-27). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9917 [ERL 1750] S Gouli (HWA-G-28) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9918 [ERL 1751] S Gouli and V Gouli (HWA-G-29). *Adelges tsugae* [Hemiptera: Adelgidae]. Winter 2009. USA: New Hampshire.
- 9919 [ERL 1752] S Gouli (HWA-G-30) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 11852 [ERL 2085] S Gouli and V Gouli (EHS-12-4). *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11853 [ERL 2086] S Gouli (EHS-12-5) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11854 [ERL 2087] S Gouli and V Gouli (EHS-11-3). *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Harriman State Park, New York.
- 11855 [ERL 2088] S Gouli (EHS-11-4) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Harriman State Park, New York.
- 11856 [ERL 2089] S Gouli and V Gouli (HWA-11-M3). *Adelges tsugae* [Hemiptera: Adelgidae]. 2011. USA: Brattleboro, Vermont.
- 11857 [ERL 2090] S Gouli (HWA-11-M1) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2011. USA: Harriman State Park, New York.
- 11858 [ERL 2091] S Gouli and V Gouli (HWA-12-M1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: East Granby, Connecticut.

***Myriangiium duriaei* Mont. & Berk.**

[Dothideomycetes: Myriangiales]

- 8924 [ERL 1533] S Gouli (EHS) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.
- 8925 [ERL 1538] S Gouli (EHS). *Fiorinia externa* [Hemiptera: Diaspididae]. 2006. USA: New York.

***Myriodontium keratinophilum* Samson & Polonelli**

[Eurotiomycetes: Onygenales]

- 368 [ARSEF 386] BA Federici ← PS Tsao. *Porcellio* sp. [Isopoda: Oniscoidea]. Acc'd 27 Jul 1979. USA: Riverside, California.
- 386 [ARSEF 368] BA Federici ← PS Tsao. *Porcellio* sp. [Isopoda: Oniscoidea]. Acc'd 18 Oct 1979. USA: Riverside, California.
- 10547 DW Roberts (DWR 475). Isolated from soil sample SS 0834. 31 Jul 2007. USA: McKenzie County, North Dakota. N 47.381218, W 104.03361.
- 11186 DW Roberts (DWR 1437). Isolated from soil sample SS 8706. 7 Jul 2008. USA: Yuma County, Colorado. N 39.874308, W 102.466135.
- 11698 Z Demirbag (Gg11) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11837 [ERL 2079] S Gouli and V Gouli (EHS-12-2). *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11838 [ERL 2081] S Gouli and V Gouli (HWA-12-1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: East Granby, Connecticut.
- 11998 DW Roberts (DWR 2183). Isolated from soil sample SS 22220. 26 Jul 2010. USA: Morrill County, Nebraska. N 41.467362, W 103.2349.
- 12005 DW Roberts (DWR 2190). Isolated from soil sample SS 22916. 22 Jul 2010. USA: Maricopa County, Arizona. N 33.016, W 112.83527.
- 12117 DW Roberts (DWR 2336). Isolated from soil sample SS 23705. 12 Aug 2010. USA: Franklin County, Washington. N 46.634094, W 118.55523.
- 12118 DW Roberts (DWR 2337). Isolated from soil sample SS 23739. 18 Aug 2010. USA: Whitman County, Washington. N 46.706997, W 118.120635.
- 12155 DW Roberts (DWR 2384). Isolated from soil sample SS 26745. 3 Aug 2010. USA: Gilliam County, Oregon. N 45.377306, W 120.087388.

Myrothecium sp.

[Sordariomycetes: Hypocreales]

- 7804 L Erickson and CA Fuller (#6b V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.

***Myrothecium verrucaria* (Albertini & Schweinitz)**

Ditmar

[Sordariomycetes: Hypocreales]

- 2741 GW Riethmacher (T11). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 18 Dec 1988. Philippines: La Trinidad, Benguet.
- 7757 [ATCC 9095; CBS 328.52; IMI 045541] From deteriorated baled cotton. 1940. USA: Washington, District of Columbia. Patented, commercialized strain (Preceptrol).

9359 [ERL 1645] S Gouli (SVG-09/2) and V Gouli. *Tipula* sp. [Diptera: Tipulidae]. 2009. USA: Vermont.

***Nematoctonus* sp.**

[Agaricomycetes: Agaricales]
Pleurotaceae

3351 P Timper ← BA Jaffee. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California.

5663 SL Glockling. *Bunonema* sp. [Rhabditida: Rhabditidae] from grass cuttings. 10 Jan 1997. Japan.

***Nematoctonus concurrens* Drechsler**

[Agaricomycetes: Agaricales]
Pleurotaceae

4947 BA Jaffee (TOC149). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

***Nematoctonus leiosporus* Drechsler**

[Agaricomycetes: Agaricales]
Pleurotaceae

5606 SL Glockling (ND-9). Phylum Nemata from shikadung. 21 Jun 1995. Japan: Nikko, Tochigi Prefecture.

***Nematoctonus leptosporus* Drechsler**

[Agaricomycetes: Agaricales]
Pleurotaceae

5607 SL Glockling (L1). Phylum Nemata from leaf litter. 31 May 1995. Japan.

***Neobarya parasitica* (Fuckel) R Lowen**

[Sordariomycetes: Hypocreales]
Clavicipitaceae

6156 [ATCC 56427] GJ Samuels (83-264). *Bertia moriformis* [Sordariales: Nitschkiaceae]. Rec'd 6 May 1999. New Zealand.

***Neozygites* sp.**

[Entomophthoromycotina: Entomophthorales]
Neozygiteae. This culture is provided as hyphal bodies in a liquid tissue culture medium. Spores may be induced by plating hyphal bodies on solid media. Taxonomic criteria separating *Neozygites* species from mites are too poorly understood to allow specific identifications.

662 RA Humber ← DR Smitley. *Tetranychus urticae* [Acari: Tetranychidae]. 19 Oct 1981. USA: Raleigh, North Carolina.

***Neozygites floridana*(?) (Weiser & Muma) Remaudière & S Keller**

[Entomophthoromycotina: Entomophthorales]
Neozygiteae

5201 DW Roberts (1). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 6 Jul 1996. USA: Laboratory culture, Ithaca, New York.

5202 DW Roberts (2). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 6 Jul 1996. USA: Laboratory culture, Ithaca, New York.

5376 DW Roberts (0). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 3 Dec 1996. USA: Laboratory culture, Ithaca, New York.

6219 I Delalibera Junior (AB 10,11). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.

6220 I Delalibera Junior (AC 16). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.

6221 I Delalibera Junior (L 13). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.

***Neozygites parvispora* (DM MacLeod & KP Carl)**

Remaudière & S Keller
[Entomophthoromycotina: Entomophthorales]
Neozygiteae

5620 A Grundschober (301). *Thrips tabaci* [Thysanoptera: Thripidae] on *Allium porrum*. 17 Oct 1996. Switzerland: organic vegetable farm in Winkel, Bülach, Zurich.

5621 A Grundschober (302). *Thrips tabaci* [Thysanoptera: Thripidae] on *Allium porrum*. 17 Oct 1996. Switzerland: organic vegetable farm in Winkel, Bülach, Zurich.

6276 Acc'd 7 Jun 2000.

6277 Acc'd 7 Jun 2000.

6278 Acc'd 7 Jun 2000.

6279 Acc'd 7 Jun 2000.

6280 Acc'd 7 Jun 2000.

***Neozygites tetranychii* Weiser**

[Entomophthoromycotina: Entomophthorales]
Neozygiteae. This culture is provided as hyphal bodies in a liquid tissue culture medium. Spores may be induced by plating hyphal bodies on solid media. Identification of this species is provisional because of correspondence with the source of the strain and the original description of the species. This species was published without a Latin diagnosis and must still be validated nomenclaturally.

2677 J Weiser. *Tetranychus althaeae* [Acari: Tetranychidae]. 8 Nov 1988. Czech Republic: Dvory n. Zítavou.

***Nomuraea* sp.**

[Sordariomycetes: Hypocreales]
Clavicipitaceae

2413 K Narayanan (15). *Helicoverpa armigera* [Lepidoptera: Noctuidae]. Acc'd 6 May 1987. India.

7851 [SRCAMB B-412] V Likhovidov (VL-95-2) ← BA Borisov. Larva, [Lepidoptera: Noctuidae]. Sep 1995. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-364.

Nomuraea anemonoides Hocking

[Sordariomycetes: Hypocreales]

Clavicipitaceae

2467 [ATCC 34948; IMI 214110; JI Pitt FRR 1665] UAMH (5301) ← AD Hocking. Soil. 1974. Australia: Blue Mts., New South Wales. CULTURE EX TYPE.

Nomuraea atypicola (Yasuda) Samson

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

1904 MC Rombach (7). [Araneida: ?Argiopidae] on underside of cacao leaves. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

7130 ND Vandersal. 17 May 2003. USA: Sardis Reservoir, Mississippi.

7231 BW Horn. *Nephila clavipes* [Araneida: Tetragnathidae]. Sep 2003. USA: Dawson, Georgia.

7348 M Liu. 18 Aug 2003.

9594 X Zou (1). [Araneida]. Rec'd 19 Jan 2010. PR China: Guangxi Zhuang Autonomous Region.

Nomuraea cylindrospora (Chen & Guo) Tzean, Hsieh,

Chen & Wu

[Sordariomycetes: Hypocreales]

Clavicipitaceae

6926 SS Tzean (PPH 13E). *Pomponia linearis* [Hemiptera: Cicadidae]. 1 Jun 1990. Republic of China: Wulai, Taipei, Taiwan.

Nomuraea rileyi (Farlow) Samson

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Early vegetative development of cultures on solid media usually occurs in mucoid colonies of fusoid yeast-like cells: mycelial development should begin after several days. Most strains are observed to sporulate most abundantly on Sabouraud maltose agar + 1% yeast extract.

135 JV Bell. [Lepidoptera: Noctuidae]. Acc'd 11 Nov 1982. USA: Stoneville, Mississippi.

323 RS Soper. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 14 Feb 1979. Australia: Arriga, Queensland.

358 RS Soper. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 26 Feb 1979. Australia: Queensland.

380 [FPMI 753] RS Soper. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 26 Feb 1979. Australia: Queensland.

481 RS Soper (10). *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

482 RS Soper. *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

483 RS Soper. *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

539 DW Roberts ← M Panyarjun. *Spodoptera exigua* [Lepidoptera: Noctuidae]. 26 Aug 1980. Thailand.

558 RS Soper (8133-3). *Sogatella furcifera* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: Sigere, Pangkajene, Sulawesi Selatan, Celebes.

711 RS Soper. *Bombyx mori* [Lepidoptera: Bombycidae]. Fall 1981. PR China: Hangzhou, Zhijiang.

762 TA Coudron ← B Puttler. *Plathypena scabra* [Lepidoptera: Noctuidae] on alfalfa. 2 Jul 1982. USA: Columbia, Missouri.

935 [CNPAF 83-2-17-01; CP 74] RA Daoust ← E Ferreira. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 17 Feb 1983. Brazil: CNPAF, Goiânia, Goiás.

936 [CNPAF 83-02-18-01; CP 75] RA Daoust ← SM dos Santos. Larva, [Lepidoptera]. 18 Feb 1983. Brazil: CNPAF, Goiânia, Goiás.

1014 J Aoki (Nom. 2). *Prodenia litura* [Lepidoptera: Noctuidae]. Oct 1978. Japan: Fuchu, Tokyo Prefecture.

1047 [FPMI 754] J Aoki (Nom. 3). *Plusia* sp. [Lepidoptera: Noctuidae]. Jan 1980. Japan: Fuchu, Tokyo Prefecture.

1670 G Riba (NR-11). Acc'd 29 Oct 1984. France.

1671 G Riba (NR-5). Acc'd 29 Oct 1984. France.

1756 MC Rombach ← BM Shepard (NrMin-14). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1757 MC Rombach ← BM Shepard (NrMin-19). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1758 MC Rombach ← BM Shepard (NrMin-1). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1759 MC Rombach ← BM Shepard (NrMin-5). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1760 MC Rombach ← BM Shepard (NrMin-23). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1761 MC Rombach (Nr-B). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. Aug 1984. Philippines: insectary, IRRI, Los Baños, Manila.

1762 MC Rombach ← G Barrion (Nr-BS). *Mocis frugalis* [Lepidoptera: Noctuidae] on rice. Nov 1984. Philippines: Bangued, Abra.

1879 DW Roberts (090485-3). Larva, [Lepidoptera] on rice. 9 Apr 1985. Solomon Islands: nr. Honiara, Guadalcanal.

1893 MC Rombach (3). Larva, [Lepidoptera] on rice. Acc'd 10 Jun 1985. Solomon Islands: nr. Metapona, Guadalcanal.

1950 [CNPAF 85-06-14; CP 175] JMG Ferraz. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 14 Jun 1985. Brazil: Bragança Paulista, Pará.

- 1972 [CNPAF 85-7-24-5; CP 192] JC Lord and BP Magalhães. *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.
- 2013 [ARSEF 2466] CIRPON ← DR Sosa-Gómez. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 1985. Argentina: Tucumán.
- 2174 MC Rombach (130586-14). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. 13 May 1986. Philippines: nr. Baybay, Leyte.
- 2201 LC Piazza ← L da Silva (A285). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Mar 1984. Brazil: Guaíba, Rio Grande do Sul.
- 2202 LC Piazza ← NM de Barros (A485). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Mar 1985. Brazil: Vacaria, Rio Grande do Sul.
- 2203 LC Piazza (A86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 13 Mar 1986. Brazil: Vacaria, Rio Grande do Sul.
- 2204 LC Piazza ← FM Ellwanger (B86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 12 Mar 1986. Brazil: Ijuí, Rio Grande do Sul.
- 2205 LC Piazza ← L Baloch (C86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 10 Mar 1986. Brazil: Sarandi, Rio Grande do Sul.
- 2206 LC Piazza ← DN Gassen (D86). *Rachiplusia nu* [Lepidoptera: Noctuidae]. 8 May 1986. Brazil: Passo Fundo, Rio Grande do Sul.
- 2207 LC Piazza ← DN Gassen (E86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Apr 1986. Brazil: Santa Rosa, Rio Grande do Sul.
- 2345 [ARSEF 2390 (never frozen)] MC Rombach (111286-2). *Naranga* sp. [Lepidoptera: Noctuidae] on rice. 11 Dec 1986. Indonesia: nr. Klaten, Jawa Tengah, Java.
- 2395 MC Rombach (121186-1). *Rivula atimeta* [Lepidoptera: Noctuidae]. 12 Nov 1986. Philippines: IRRRI farm, Los Baños, Manila.
- 2465 TJ Poprawski (8708) ← AJ Nasca (Nr-IY3). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 1986. Argentina: Santiago del Estero.
- 2466 [ARSEF 2013] TJ Poprawski (8709) ← AJ Nasca (Nr-T2). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 1985. Argentina: Tucumán.
- 2492 SR Sánchez Peña. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Sep 1986. Mexico: Estacion Manuel, Tamaulipas.
- 3301 J Gutierrez Samperio (17) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3940 DR Sosa-Gómez (CNPSO-NR66) ← JJ Silva. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Rec'd Jun 1993. Brazil: Londrina, Paraná.
- 4094 LA Lacey (94004). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 28 Mar 1994. Brazil.
- 5208 C López Lastra (4). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 22 Mar 1996. Argentina: Chivilcoy, Buenos Aires.
- 5209 C López Lastra (5). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 7 May 1996. Argentina: Chivilcoy, Buenos Aires.
- 5210 C López Lastra (6). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 18 Apr 1996. Argentina: Chivilcoy, Buenos Aires.
- 5211 C López Lastra (11). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 7 May 1996. Argentina: Chivilcoy, Buenos Aires.
- 5212 C López Lastra (14). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 18 Apr 1996. Argentina: Chivilcoy, Buenos Aires.
- 6239 [RCEF 0290] *Helicoverpa armigera* [Lepidoptera: Noctuidae]. Rec'd 24 Aug 1999. PR China: Anhui.
- 6645 KU Devi (GIV). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
- 6732 DR Sosa-Gómez (CNPSO Nr 27). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 22 Jan 1990. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.
- 6733 DR Sosa-Gómez (CNPSO Nr 33). 19 Jan 1990. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.
- 6734 [ARSEF 3940] DR Sosa-Gómez (CNPSO Nr 66). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jun 1992. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.
- 6735 DR Sosa-Gómez (CNPSO Nr 72). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 20 May 1993. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.
- 6736 DR Sosa-Gómez (CNPSO Nr 135). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 11 Mar 1998. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.
- 6737 DR Sosa-Gómez (CNPSO Nr 166). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
- 6738 DR Sosa-Gómez (CNPSO Nr 167). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
- 6739 DR Sosa-Gómez (CNPSO Nr 168). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
- 6740 DR Sosa-Gómez (CNPSO Nr 169). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
- 6741 DR Sosa-Gómez (CNPSO Nr 170). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**

- 6784 DR Sosa-Gómez (CNPSo Nr 200). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6785 DR Sosa-Gómez (CNPSo Nr 201). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6786 DR Sosa-Gómez (CNPSo Nr 202). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6787 DR Sosa-Gómez (CNPSo Nr 202). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6866 DG Boucias (5762). *Pseudoplusia includens* [Lepidoptera: Noctuidae]. 1974. USA: Gainesville, Florida.
- 6867 DG Boucias (1795). *Spodoptera* sp. [Lepidoptera: Noctuidae]. Rec'd 7 Jun 2001. India.
- 6868 DG Boucias (6009). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Sep 2000. USA: Gainesville, Florida.
- 6869 DG Boucias (94-5a). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Aug 1994. USA: Quincy, Florida.
- 6870 DG Boucias (6011). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Sep 2000. USA: Quincy, Florida.
- 6871 DG Boucias (31b). *Plathypena scabra* [Lepidoptera: Noctuidae]. 5 Oct 1993. USA: Quincy, Florida.
- 6872 DG Boucias (9b). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida.
- 6873 DG Boucias (5561). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Aug 1984. USA: Gainesville, Florida.
- 6874 DG Boucias (F178). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Londrina, Paraná.
- 6875 DG Boucias (Nr10). [Lepidoptera: Noctuidae]. Rec'd 7 Jun 2001. Brazil: São Paulo, São Paulo.
- 6876 DG Boucias (94-5c). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 7 Sep 1994. USA: Quincy, Florida.
- 6877 DG Boucias (NrCH6). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 18 Apr 1996. Argentina: Buenos Aires, Buenos Aires.
- 6878 DG Boucias (Nr24). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 22 Jan 1990. Brazil: Paraná.
- 6879 DG Boucias (Nr32). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 6 Feb 1990. Brazil: Paraná.
- 6880 DG Boucias (6026). Aug 2000. Mexico.
- 6881 DG Boucias (33b). *Plathypena scabra* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida.
- 6882 DG Boucias (8b). *Pseudoplusia includens* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida.
- 7052 C López Lastra (B5). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Bartolomé Bavio, Buenos Aires.
- 7053 C López Lastra (Ch 2 b). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.
- 7054 C López Lastra (Ch 90). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.
- 7055 C López Lastra (Ch 91). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.
- 7056 C López Lastra (LP1). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: La Plata, Buenos Aires.
- 7148 C López Lastra (AL IS INTA). Larva, *Alabama argillacea* [Lepidoptera: Noctuidae] on *Gossypium hirsutum*, cotton crop. Mar 2001. Argentina: Santiago del Estero.
- 7149 C López Lastra (B3). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 9 Apr 2001. Argentina: Partido Magdalena, Bartolomé Bavio, Buenos Aires.
- 7150 C López Lastra (SF 9). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 20 May 2002. Argentina: Bombal, Santa Fe.
- 7151 C López Lastra (SF15). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7479 [CEP 019] C López Lastra (Ch 9). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7480 [CEP 022] C López Lastra (Ch 66). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7481 [CEP 023] C López Lastra (Ch 90). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7482 [CEP 064] C López Lastra (P11). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2003. Argentina: INTA Pergamino, Pergamino, Buenos Aires.
- 7483 [CEP 006] C López Lastra (Suelo). Isolated from soil. 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

- 7484 [CEP 034] C López Lastra (SF2). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7778 [CEP 021] C López Lastra ← V Dikgolz. Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7779 [CEP 035] C López Lastra ← B Díaz. Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7780 [CEP 037] C López Lastra ← B Díaz. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7791 R Barakat (N.R. 3). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 7792 R Barakat (N.R. 5). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 7793 R Barakat (N.R. 17). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 7794 R Barakat (N.R. 18). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 9489 [SRCAMB VL-2125] V Likhovidov. Larva, [Lepidoptera: Noctuidae]. Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-139.
- 9490 [SRCAMB B-412] V Likhovidov ← BA Borisov. Larva, [Lepidoptera: Noctuidae]. Sep 1995. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-364.
- 11939 L Rosales and SR Sánchez Peña (1). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11940 Acc'd 8 May 2013.
- 11941 L Rosales and SR Sánchez Peña (3). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11942 L Rosales and SR Sánchez Peña (4). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11943 L Rosales and SR Sánchez Peña (5). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11944 Acc'd 9 May 2013.
- Nomuraea viridulus*** Tzean, Hsieh, Chen & Wu
[Sordariomycetes: Hypocreales]
Clavicipitaceae
-
- 6927 SS Tzean (PPh 14E). *Cryptotympana facialis* [Hemiptera: Cicadidae]. 2 Jul 2000. Republic of China: Yangmingshan National Park, Taipei, Taiwan.
- Ophiocordyceps aphodii*** (Mathieson) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps aphodii* Mathieson
-
- 5498 [ATCC 34178; CBS 150.47] Larva, *Aphodius howitti* [Coleoptera: Scarabaeidae]. Rec'd 5 Jun 1997. Location not specified.
- Ophiocordyceps bisporus*** (Stiffler) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Synonym: *Cordycepioideus bisporus* Stiffler. Anamorph: *Hirsutella* sp.
-
- 3888 [G Ochiel IIBC 192-745] J Eilenberg (KVL 90). Alate, [Isoptera: Termitidae] soil, under rock. Sep 1991. Kenya: Isiolo.
- 4518 [IIBC 194-916] HC Evans (I94-916). *Macrotermes* sp. [Isoptera: Termitidae]. Dec 1993. Kenya.
- 4843 J Eilenberg (KVL 607). *Macrotermes* sp. [Isoptera: Termitidae]. 28 Nov 1993. Kenya: Kadjiado.
- Ophiocordyceps gracilioides*** (Kobayasi) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps gracilioides* Kobayasi
-
- 5696 JM Sung (KEFC-1100). Larva, Phylum Arthropoda, Class Insecta. 29 Jun 1997. Republic of Korea: Mt. Chil-gap, Choong-Chung Nam Do.
- Ophiocordyceps heteropoda*** (Kobayasi) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps heteropoda* Kobayasi. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.
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- 1880 K Chandler and RA Humber. *Cicadetta puer* [Hemiptera: Cicadidae]. 22 Feb 1985. Australia: Cairns, Queensland.
- 6919 [IFO 33060] Ascospores ejected from ascoma. Rec'd 25 Oct 2001. Japan.
- 8010 BC King (Cg). Spring 2005. USA: Klickitat County, Washington. GenBank match - AB027373 (97.40%) LSU. **RESTRICTED ACCESS:** consult Curator.
- Ophiocordyceps myrmecophila*** (Cesati) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps myrmecophila* Cesati
-
- 6180 Rec'd 7 Jul 1999.
- Ophiocordyceps nutans*** (Patouillard) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps nutans* Patouillard
-
- 7220 [SRCAM VLI/B-13] V Likhovidov. Rec'd 29 Sep

2003.

Ophiocordyceps robertsii (Hooker) GH Sung, JM Sung, Hywel-Jones & Spatafora [Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps robertsii* Hooker

6961 G Gates. Rec'd 9 Oct 2001.

Ophiocordyceps variabilis (Petch) GH Sung, JM Sung, Hywel-Jones & Spatafora [Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps variabilis* Petch. Anamorph: *Syngliocladium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

4080 [ATCC 204364] KT Hodge (kth13). Larva, [Diptera: Xylophagidae] decaying wood. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

5365 [ATCC 204365] KT Hodge (kth50a). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] Decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5366 KT Hodge (kth50b). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] Decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5367 KT Hodge (kth51a). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5414 KT Hodge (kth50d). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5415 KT Hodge (kth50f). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5416 KT Hodge (kth50g). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5417 KT Hodge (kth50h). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single

part ascospore isolate. Specimen accessioned as CUP 63882.

5418 KT Hodge (kth50i). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5419 KT Hodge (kth50j). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5420 KT Hodge (kth50k). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5421 KT Hodge (kth50l). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5422 KT Hodge (kth50m). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5423 KT Hodge (kth50n). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5424 KT Hodge (kth50o). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5425 KT Hodge (kth50p). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5426 KT Hodge (kth50q). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

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- 5427 KT Hodge (kth50r). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.
- 5428 KT Hodge (kth50s). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.
- 5429 KT Hodge (kth50t). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

Ostracoderma sp.

[Pezizomycetes: Pezizales]

Pezizaceae. Anamorph of *Peziza ostracoderma*

- 5163 S Gouli (GP-45). *Taxus* sp. [Taxales: Taxaceae]. 17 Feb 1996. USA: Burlington, Vermont.

Paecilomyces sp.

[Sordariomycetes: Hypocreales]

These still unidentified species has yet been assigned to a correct genus after the recent gene-based reclassification of species out of *Paecilomyces* Section *Isarioidea*; this original generic identification remains provisional until a more thorough analyses of these isolates are completed.

- 309 DW Roberts ← FL Briggs. *Epiphyas postvittana* [Lepidoptera: Tortricidae]. Acc'd Mar 1979. New Zealand.
- 385 WG Yendol. Rec'd 8 Aug 1979. PR China: North Bridges Peoples' Commune, Shanghai, Kiangsu.
- 680 DW Roberts (101081-6). *Recilia dorsalis* [Hemiptera: Cicadellidae]. 10 Oct 1981. PR China: Jansui, Jiangsu.
- 971 [GCRI 50-81] RA Hall ← J Fargues. Acc'd 17 Oct 1983. France.
- 1008 J Aoki (Nom. 1) ← K Katagiri ← T Kushida. *Sesamia inferens* [Lepidoptera: Noctuidae]. Dec 1968. Japan: Hachioji, Tokyo Prefecture.
- 2350 [ARSEF 2378] MC Rombach (131286-6). Pupa, [Diptera] on *Croton* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.
- 2354 [ARSEF 2377 (never frozen)] MC Rombach (201286-6). [Araneida]. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2378 [ARSEF 2350] MC Rombach (131286-6). Pupa, [Diptera] on *Croton* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

- 2616 SB Alves (718). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.
- 2617 SB Alves (719). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.
- 2618 SB Alves (720). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.
- 3101 L Loch (CB-75). *Nezara viridula* [Hemiptera: Pentatomidae]. 1986. Brazil: Piracicaba, São Paulo.
- 3545 M Brownbridge (B-38). Soil, using *Galleria melonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3566 M Brownbridge (R-48). Rec'd 10 Jan 1992. Location not specified.
- 3768 EW Davidson. [Diptera: Drosophilidae]. Summer 1992. USA: Arizona.
- 3772 SP Wraight (F92-5) ← J Salinas. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 17 Apr 1992. USA: USDA-APHIS Biological Control Laboratory Greenhouse, Mission, Texas.
- 3774 SP Wraight (SPW-5). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3775 SP Wraight (SPW-6). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3777 SP Wraight (SPW-12). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3780 SP Wraight (SPW-7). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3781 SP Wraight (SPW-8). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3782 SP Wraight (SPW-9). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3783 SP Wraight (SPW-9). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] cotton leaves. 12 Jun 1992. USA: Weslaco, Texas.
- 3784 SP Wraight (SPW-1). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 12 Jun 1992. USA: Weslaco, Texas.
- 3785 SP Wraight (SPW-5). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3786 SP Wraight (SPW-10). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3787 SP Wraight () ← J Salinas (F92-6). *Bemisia tabaci* [Hemiptera: Aleyrodidae] eggplant leaves. 18 Apr 1992. USA: Mission, Texas.

- 3788 SP Wraight () ← B.A. Mullin (BO-1). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] cotton leaves. 12 Jun 1992. USA: Weslaco, Texas.
- 3853 MS Tigano-Milani (CG-186). Soil. Rec'd 13 Jan 1993. Brazil.
- 3870 LA Lacey (92133) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.
- 3871 LA Lacey (92135) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1993. Nepal: Katmandu.
- 3872 LA Lacey (92137) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1993. Nepal: Katmandu.
- 3873 LA Lacey (Pfr19). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Apr 1992. India: Padappai.
- 3874 LA Lacey (92114) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 3875 LA Lacey (92115) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.
- 3877 LA Lacey (92117) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.
- 4452 LA Lacey (94110). Soil. 18 Apr 1994. Japan: Edosaki Golf Course.
- 4742 [DAT 343] AC Rath (F343) ← H Yip (HY26). Soil. 31 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4985 LA Lacey (95041). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4986 LA Lacey (95042). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4987 LA Lacey (95043). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4988 LA Lacey (95044). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4989 LA Lacey (95045). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 5091 LA Lacey (95081). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5092 LA Lacey (95082). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5093 LA Lacey (95083). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5094 LA Lacey (95084). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5095 LA Lacey (95085). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5096 LA Lacey (95086). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5097 LA Lacey (95087). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5098 LA Lacey (95088). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5099 LA Lacey (95089). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5100 LA Lacey (95090). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5101 LA Lacey (95091). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5102 LA Lacey (95092). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5103 LA Lacey (95093). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5104 LA Lacey (95094). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5105 LA Lacey (95095). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5106 LA Lacey (95096). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5108 LA Lacey (95098). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5109 LA Lacey (95099). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5110 LA Lacey (95100). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5111 LA Lacey (95101). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5112 LA Lacey (95102). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5114 LA Lacey (95104). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5160 DR Sosa-Gómez (CNPSO-P83). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5179 S Gouli (GA-88). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5180 S Gouli (GA-89). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Mar 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5181 S Gouli (GA-90). [Araneida: Araneae]. 28 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5183 S Gouli (GA-93). [Araneida: Araneae]. 22 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5184 S Gouli (GA-94). [Coleoptera: Curculionidae]. 25 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5185 S Gouli (GA-95). Phylum Arthropoda, Class Diplopoda. 28 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

- 5189 S Gouli (GA-99). Larva, Phylum Arthropoda, Class Insecta. 24 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5190 S Gouli (GA-100). [Araneida: Araneae]. 25 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5192 S Gouli (GA-102). [Opiliones]. 29 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5193 S Gouli (GA-103). [Coleoptera: Curculionidae]. 23 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5402 Laboratory contaminant. Acc'd 14 Jan 1997.
- 6193 FE Vega (EBCL 99030). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 28 Dec 1998. France: Crespian, Gard.
- 6198 FE Vega (EBCL 99037). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 28 Dec 1998. France: Crespian, Gard.
- 6339 5th instar larva, 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6883 DG Boucias (3936). [Hymenoptera: Tenthredinoidea]. Rec'd 7 Jun 2001. USA: Florida.
- 7064 Acc'd 3 Aug 2004.
- 7065 Acc'd 4 Aug 2004.
- 7075 KT Hodge (PR16). [Hemiptera: Pentatomidae] on *Acanthaceae*. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7388 M Liu (ml190). 17 Dec 2003. USA: Toro Negro, Puerto Rico.
- 7721 [SRCAMB VL-281] V Likhovidov. Pupa, [Lepidoptera] Isolated from fungal synnema. Jul 2001. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-195.
- 7741 [SRCAMB B-55] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-288.
- 7742 [SRCAMB VL-275] V Likhovidov. Pupa, [Lepidoptera]. Aug 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-243.
- 7744 [SRCAMB VL-59/1] V Likhovidov ← BA Borisov. Insect remains in soil. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-270.
- 7745 [SRCAMB VL-59/2] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-242.
- 7746 [SRCAMB VL-488] V Likhovidov. Jul 2001.
- 7747 [SRCAMB VLI-478] V Likhovidov. Rec'd 29 Sep 2003.
- 7756 [SRCAMB VLI-61] V Likhovidov. Rec'd 29 Sep 2003.
- 7800 L Erickson and CA Fuller (?#3 V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.
- 7801 L Erickson and CA Fuller (#8b HH23P all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.
- 7803 L Erickson and CA Fuller (#8 V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.
- 7995 BC King (2). Pupa, [Lepidoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7996 BC King (6). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7997 BC King (16). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7998 BC King (18). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7999 BC King (23). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8001 BC King (27). Larva, [Lepidoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8002 BC King (48). Rec'd 7 Apr 2006. Canada: Squamish, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8003 BC King (51). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8004 BC King (55). Rec'd 7 Apr 2006. USA: near Breitenbush Hot Springs, Detroit, Oregon. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8005 BC King (63). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

- 8006 BC King (68). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8007 BC King (69). [Hymenoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8008 BC King (70). [Hymenoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8316 JM Meyer. Adult, *Diaphorina citri* [Hemiptera: Psyllidae]. Oct 2005. USA: Polk County, Florida. 28°06'295" N, 81°42'895" W.

Paecilomyces canadensis (Vuillemin) Brown & Smith
[Sordariomycetes: Hypocreales]

This species is usually treated as a synonym of *Isaria farinosa* but both this and any ultimate reclassification remain to be determined.

- 984 [FPMI 757] J Aoki (Paec. 6) ← K Katagiri ← T Kushida. *Heptophylla picea* [Coleoptera: Scarabaeidae]. Feb 1972. Japan: Hachioji, Tokyo Prefecture.
- 990 [FPMI 758] J Aoki (Paec. 7) ← K Katagiri ← T Kushida. *Gastropacha orientalis* [Lepidoptera: Lasiocampidae]. Jul 1969. Japan: Hachioji, Tokyo Prefecture.

Paecilomyces carneus (Duché & R. Heim) A.H.S. Br. & G. Sm.

[Sordariomycetes: Hypocreales]
?Clavicipitaceae

- 11821 [ERL 2018] S Gouli (THR-11-10) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Richford, Vermont.
- 11836 [ERL 2048] S Gouli (THR-11-37) and V Gouli. [Coleoptera: Staphylinidae]. 2011. USA: Sharon Springs, New York.

Paecilomyces crustaceus(?) Apinis & Chesters
[Eurotiomycetes: Eurotiales]

Trichocomaceae. This species has not been reclassified into a correct genus according to its genomic sequences following the recent gene-based reclassification of *Paecilomyces* Section *Isarioidea*.

- 6462 [CIAT 047] D Peck. 5th instar larva, *Zulia carbonaria* [Hemiptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6467 [CIAT 052] D Peck. Adult, *Zulia carbonaria* [Hemiptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

Paecilomyces lilacinus(?) (Thom) Samson
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. This species has not been reclassified into a correct genus according to its genomic sequences following the recent gene-based reclassification of *Paecilomyces* Section *Isarioidea*.

- 6325 Nymph, 16 Feb 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6458 [CIAT 043] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 26 May 1999. Colombia: Santander de Quilichao, Cauca.

Paecilomyces marquandii (Masse) Hughes
[Sordariomycetes: Hypocreales]

Clavicipitaceae. This species has been placed in the Hypocreales by phylogenetic analysis but not into a correct genus according to its genomic sequences. The recent reclassification of *Paecilomyces* Section *Isarioidea* requires this species placement in a different genus.

- 3855 [JB Tavares BRA-000167] MS Tigano-Milani (CG-371). Rec'd 13 Jan 1993. Brazil.
- 9527 [SRCAMB AS-528] V Likhovidov. Isolated from soil sample. 29 Aug 2004. Russian Federation: Krasnodarsky Krai. Field Collection Number F-970.
- 9529 [SRCAMB AS-433] V Likhovidov. Isolated from soil sample. Aug 1999. Russian Federation: Tver Region. Field Collection Number F-266.
- 9530 [SRCAMB AS-582] V Likhovidov. Isolated from soil sample. 16 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-784.
- 9928 [ERL 1772] S Gouli (Thr.-09-4) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9929 [ERL 1773] S Gouli and V Gouli (Thr.-09-5). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

Paecilomyces reniformis Samson & HC Evans in Samson
[Sordariomycetes: Hypocreales]

The recent reclassification of *Paecilomyces* Section *Isarioidea* requires this species eventual reassignment to a different genus.

- 429 DW Roberts. [Orthoptera: Tettigoniidae] on rice. 31 Oct 1979. Philippines: IRRI, Los Baños, Manila.
- 484 RS Soper. [Orthoptera: Tettigoniidae] on rice. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 577 RS Soper. [Orthoptera: Tettigoniidae] on rice. 24 Feb 1981. Indonesia: Diski Village, Medan District, Sumatera Utara.
- 7040 RG Hollingsworth (KNF2002-10). [Orthoptera: Tettigoniidae]. 26 Jan 2002. USA: Bayfront area, Hilo, Hawaii.
- 7041 RG Hollingsworth (KNF002-11). [Orthoptera: Tettigoniidae]. 26 Jan 2002. USA: Bayfront area, Hilo, Hawaii.

- Paecilomyces sinensis*** QT Chen, SR Xiao & ZY Shi
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Possible anamorphic state of
Ophiocordyceps sinensis (Berkeley) GH Sung, JM Sung,
Hywel-Jones & Spatafora [= *Cordyceps sinensis* (Berkeley) Saccardo)]
-
- 6284 [RCEF 0204] Larva, [Lepidoptera: Hepialidae]. Rec'd
24 Aug 1999. PR China: Qinghan.
- 6285 [RCEF 0263] Larva, [Lepidoptera: Hepialidae]. Rec'd
24 Aug 1999. PR China: Qinghan.
- Pandora* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 3201 GW Riethmacher (EB6). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. 13 May 1989. Philippines: La
Trinidad, Benguet.
- 5812 [Diptera]. 10 Aug 1998. Denmark.
- 11764 [ERL 1970] S Gouli (SVG-11-1) and V Gouli.
Lophocampa caryae [Lepidoptera: Arctiidae]. 2011.
USA: Richmond, Vermont.
- Pandora blunckii*** (Lakon ex Zimmerman) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 217 [ATCC 34698; CBS 194.77; IMI 211910] G Zimmer-
mann (2). Larva, *Plutella maculipennis* [Lepidoptera:
Plutellidae]. 27 Mar 1978. Germany: Gross-Bieberau,
Darmstadt, Hesse. CULTURE EX NEOTYPE.
- 915 S Keller (426). *Athalia rosae* [Coleoptera: Elateridae].
1 Sep 1982. Switzerland.
- 917 S Keller (425). *Athalia rosae* [Coleoptera: Elateridae].
1 Sep 1982. Switzerland: Zürich.
- 920 S Keller (430). *Athalia rosae* [Coleoptera: Elateridae].
1 Sep 1982. Switzerland: Zürich.
- 1000 J Aoki (Ent. 30) ← H Tomiyama. *Plutella xylostella*
[Lepidoptera: Plutellidae]. Nov 1977. Japan: Fuchu,
Tokyo Prefecture.
- 1004 [FPMI 752] J Aoki (Ent. 35) ← M Shimazu. Rec'd
7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1715 S Keller (514). *Athalia rosae* [Coleoptera: Elateridae].
3 Oct 1984. Switzerland: Reckenholz, Zurich.
- 1716 S Keller (515). *Athalia rosae* [Coleoptera: Elateridae].
3 Oct 1984. Switzerland: Reckenholz, Zurich.
- 1717 S Keller (516). *Athalia rosae* [Coleoptera: Elateridae].
3 Oct 1984. Switzerland: Reckenholz, Zurich.
- 1718 S Keller (517). *Athalia rosae* [Coleoptera: Elateridae].
3 Oct 1984. Switzerland: Reckenholz, Zurich.
- 2824 GW Riethmacher (EB4). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. 8 Apr 1989. Philippines: La
Trinidad, Benguet. ARSEF 2776, *Fusarium* sp., also
isolated from Riethmacher # EB4.
- 3075 DG Holdom. *Plutella* sp. [Lepidoptera: Plutellidae].
27 Apr 1990. Australia: Lockyer Valley, Queensland.
- 3200 GW Riethmacher (EB3). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. 8 Apr 1989. Philippines: La
Trinidad, Benguet.
- 3202 GW Riethmacher (EB7). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. 8 Jun 1989. Philippines: La
Trinidad, Benguet.
- 6293 R Alatorre Rosas (Jav.1). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6294 R Alatorre Rosas (Jav.3). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6295 R Alatorre Rosas (Jav.4). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6296 R Alatorre Rosas (Jav.6). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6297 R Alatorre Rosas (Jav.7). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6298 R Alatorre Rosas (Jav.8). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6299 R Alatorre Rosas (Jav.9). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6300 R Alatorre Rosas (Jav.10). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6301 R Alatorre Rosas (Jav.11). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6302 R Alatorre Rosas (Jav.12). *Plutella xylostella* [Lepi-
doptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico:
Guanajuato State.
- 6304 R Alatorre Rosas (Andres.2). *Plutella xylostella*
[Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999.
Mexico: Guanajuato State.
- 6305 R Alatorre Rosas (Andres.3). *Plutella xylostella*
[Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999.
Mexico: Guanajuato State.
- 6306 R Alatorre Rosas (Andres.5). *Plutella xylostella*
[Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999.
Mexico: Guanajuato State.
- 6307 R Alatorre Rosas (Andres.6). *Plutella xylostella*
[Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999.
Mexico: Guanajuato State.
- 6308 R Alatorre Rosas (Andres.7). *Plutella xylostella*
[Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999.
Mexico: Guanajuato State.
- 6309 R Alatorre Rosas (Bujanos.1). *Plutella xylostella*
[Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999.
Mexico: Guanajuato State.

- 6310 R Alatorre Rosas (Bujanos.3). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- 6311 R Alatorre Rosas (Bujanos.4). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- 6312 R Alatorre Rosas (Bujanos.5). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- 6316 R Alatorre Rosas (Mina.19). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- Pandora delphacis*** (Hori) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 134 M Shimazu. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 1975. Japan: Fukuoka, Fukuoka Prefecture.
- 458 RS Soper. *Nephotettix cincticeps* [Hemiptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 459 RS Soper. *Nephotettix cincticeps* [Hemiptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 460 RS Soper. *Nephotettix cincticeps* [Hemiptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 461 RS Soper. *Nephotettix cincticeps* [Hemiptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 478 RS Soper (B). *Nephotettix cincticeps* [Hemiptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 575 RS Soper (8132-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 2 Mar 1981. Indonesia: Desa Dasan Tereng Village, Kecamatan Narmada District, Lombok Island.
- 579 RS Soper (8132-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 2 Mar 1981. Indonesia: Desa Dasan Tereng Village, Kecamatan Narmada District, Lombok Island.
- 580 RS Soper (81223-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.
- 593 [CSIRO EM654] RS Soper (8133-2). *Sogatella furcifera* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.
- 603 RS Soper (8133-2). *Sogatella furcifera* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.
- 657 DW Roberts (101081-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 10 Oct 1981. PR China: Jansui, Jiangsu.
- 659 DW Roberts (101081-6-2). *Recilia dorsalis* [Hemiptera: Cicadellidae]. 10 Oct 1981. PR China: Jansui, Jiangsu.
- 660 DW Roberts (101081-6-2). *Recilia dorsalis* [Hemiptera: Cicadellidae]. 10 Oct 1981. PR China: Jiangsu.
- 664 DW Roberts (100881-4-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 8 Oct 1981. PR China: Chansha, Hunan.
- 665 DW Roberts (102181-9). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.
- 666 DW Roberts (102181-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.
- 667 DW Roberts (102181-6). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.
- 668 DW Roberts (101081-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 10 Oct 1981. PR China: Nanjing, Jiangsu.
- 669 DW Roberts (102181-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.
- 670 DW Roberts (101381-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Oct 1981. PR China: Hangzhou, Zhijiang.
- 672 DW Roberts (101081-5-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 10 Oct 1981. PR China: Nanjing, Jiangsu.
- 673 DW Roberts (100981-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 9 Oct 1981. PR China: Nanjing, Jiangsu.
- 674 DW Roberts (100981-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 9 Oct 1981. PR China: Nanjing, Jiangsu.
- 676 DW Roberts (102181-5). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.
- 682 DW Roberts (101081-2-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 10 Oct 1981. PR China: Nanjing, Jiangsu.
- 686 DW Roberts (101081-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 10 Oct 1981. PR China: Jiangsu.
- 698 *Nilaparvata lugens* [Hemiptera: Delphacidae]. 11 Apr 1981. PR China: Wuhan, Hupei.
- 713 DW Roberts (102181-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.
- 716 DW Roberts (100981-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 9 Oct 1981. PR China: Nanjing, Jiangsu.
- 1101 J Aoki (Ent. 36) ← M Shimazu. Acc'd 14 Mar 1984. Japan: Chikugo, Fukuoka Prefecture.

- 1124 M Shimazu (F-16). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Acc'd 29 Mar 1984. Japan: Fukuoka Prefecture.
- 1132 M Shimazu (F-32). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Acc'd 3 Apr 1984. Japan: Fukuoka Prefecture.
- 1133 M Shimazu (F-33). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Acc'd 3 Apr 1984. Japan: Fukuoka Prefecture.
- 1238 [CNPAF 84-04-13-1B; CP 138] DW Roberts. [Hemiptera: Cicadellidae]. 13 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1264 J Aoki (Ent. 6) ← M Shimazu. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1265 J Aoki (Ent. 7) ← H Tomiyama. *Mamestra brassicae* [Lepidoptera: Noctuidae]. Nov 1975. Japan: Fuchu, Tokyo Prefecture.
- 1268 M Shimazu (F-56). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.
- 1730 DW Roberts (26108) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.
- 1731 DW Roberts (26105) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.
- 1936 SG Wraight and SP Wraight (Q1). [Hemiptera: Cicadellidae]. 31 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 2028 JA Harper. *Spissistilus festinus* [Hemiptera: Membracidae]. Acc'd 28 Oct 1985. USA: Auburn, Alabama.
- 2046 P Taylor. Reisolate of ARSEF 579 passed through *Sogatodes oryzicola* [Homoptera: Delphacidae]. Acc'd 26 Nov 1985. Laboratory manipulation.
- 2047 P Taylor. Reisolate of ARSEF 579 passed through *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 26 Nov 1985. Laboratory manipulation.
- 2091 DG Holdom (200186-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 20 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2092 DG Holdom (260186-1). *Sogatella furcifera* [Hemiptera: Delphacidae]. 26 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2093 DG Holdom (260186-2). *Sogatella furcifera* [Hemiptera: Delphacidae]. 26 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2094 DG Holdom (270186). *Sogatodes pusanus* [Hemiptera: Delphacidae]. 27 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2095 DG Holdom (020286). *Sogatella furcifera* [Hemiptera: Delphacidae]. 2 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2096 DG Holdom (060286). *Sogatella furcifera* [Hemiptera: Delphacidae]. 6 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2409 DG Holdom (310187-1). *Sogatella furcifera* [Hemiptera: Delphacidae]. 31 Jan 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 3062 M Wheeler. [Hemiptera: Miridae]. 13 Aug 1990. USA: Snapp field # 2D, Newark Valley, New York.
- 3072 M Wheeler ← H Firstencel. *Empoasca fabae* [Hemiptera: Cicadellidae]. 7 Aug 1990. USA: Snapp field # 8A, Newark Valley, New York.
- 3093 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 11 Sep 1990. USA: Snapp field # 5G, Newark Valley, New York.
- 3094 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 11 Sep 1990. USA: Snapp field # 4G, Newark Valley, New York.
- 3095 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 10 Sep 1990. USA: Hoffman field # 2B, Catherine, New York.
- 3096 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 10 Sep 1990. USA: Hoffman field # 1G, Catherine, New York.
- 3106 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 20 Sep 1990. USA: Hoffman field # 4C, Catherine, New York.
- 3107 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 28 Sep 1990. USA: Hoffman field # 1B, Catherine, New York.
- 3484 G Lorenz. *Spissistilus festinus* [Hemiptera: Membracidae] on soybeans (*Glycine max*). 18 Oct 1991. USA: Lonoke County, Arkansas.
- 6538 MG Feng (F95125). *Sogatella furcifera* [Hemiptera: Delphacidae] on late-season rice. Fall 1995. PR China: Fuyang, Zhejiang Province.
- 6539 MG Feng (F95129). *Sogatella furcifera* [Hemiptera: Delphacidae] on late-season rice. 6 Nov 1995. PR China: Fuyang, Zhejiang Province.
- 11872 [ARSEF 674] X Zhou. Rec'd 18 Jan 2013. Single spore reisolation of ARSEF 674 following passage through *Nilaparvata lugens* (Stål).
- 11873 [ARSEF 674] X Zhou. Rec'd 18 Jan 2013. Reisolated following *in vivo* passage of ARSEF 674 through *Nilaparvata lugens* (Stål).

Pandora dipterigena (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 131 N Wilding (1). [Diptera]. 24 Aug 1976. USA: Rogers Farm, Stillwater, Maine.

- 397 [ARSEF ?1066] S Keller (92). [Diptera: Nematocera]. 5 Jun 1978. Switzerland.
- 1422 S Balazy (1496c). [Diptera: Brachycera] attached to the underside of lime tree leaf in deciduous forest undergrowth. 4 Jun 1982. Poland: Bialowieza National Park.
- 1720 S Keller (521). [Diptera]. 18 Oct 1984. Switzerland: Trasadingen, Schaffhausen.
- 1887 M Shimazu. [Diptera: ?Sciaridae]. 1 Jun 1985. USA: Allegany State Park, Salamanca, New York.
- 1921 M Shimazu (FE3). [Diptera]. 20 Jun 1985. USA: Allegany State Park, Salamanca, New York.
- 1923 M Shimazu (FE1). [Diptera]. Summer 1985. USA: Allegany State Park, Salamanca, New York.
- 2406 RI Samuels. Adult, [Trichoptera]. Aug 1986. United Kingdom: Avon, England.
- Pandora heteropterae*** (Balazy) S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 9266 JJ Hannam. *Lygus lineolaris* [Hemiptera: Miridae] collected from weeds on the edge of cornfield. 1 Sep 2008. USA: Johnson County, Arkansas. 35°23'34" N, 93°42'03" W.
- Pandora kondoiensis*** (Milner, Mahon, & Brown) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 369 [ARSEF 825] CSIRO (EM507) ← R Teakle. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. 5 Oct 1977. Australia: Brisbane, Queensland.
- 825 [ARSEF 369] CSIRO (EM507) ← R Teakle. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. 5 Oct 1977. Australia: Brisbane, Queensland.
- 828 CSIRO (EM598) ← RD Hughes. *Acyrtosiphon kondoi* [Hemiptera: Aphididae] on lucerne. 31 Jul 1980. Australia: Dubbo, New South Wales.
- 836 CSIRO (EM635) ← G Lutton. *Acyrtosiphon kondoi* [Hemiptera: Aphididae] on lucerne. 29 Sep 1981. Australia: 2 km SW of Gundagai, New South Wales.
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- Pandora neoaphidis*** (Remaudière & Hennebert) Humber
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Entomophthoraceae
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- 3411 I Majchrowicz (8) ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
- 3412 I Majchrowicz ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
- 3459 I Majchrowicz (10) ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
- 4934 [IACR-Rothamsted NW 231] JK Pell (NW 231). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 24 Mar 1995. Laboratory manipulation: Reisolation.
- 5371 C Nielsen (KVL 1996-1). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 22 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5372 C Nielsen (KVL 1996-2). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 20 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5373 C Nielsen (KVL 1996-3). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 20 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5374 C Nielsen (KVL 1996-4). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 11 Oct 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5403 C Nielsen. *Sitobion avenae* [Hemiptera: Aphididae] on *Hordeum murinum* L. Aug 1995. Denmark: Valbyparken, Copenhagen, Zealand.
- 5707 JL Hatting (5). *Metopolophium dirhodum* [Hemiptera: Aphididae] on *Triticum aestivum* L. 4 Sep 1997. South Africa: Riviersonderend, Western Cape Province.
- 5708 JL Hatting (6). *Metopolophium dirhodum* [Hemiptera: Aphididae] on *Triticum aestivum*. 4 Sep 1998. South Africa: Riviersonderend, Western Cape Province.
- 5995 C Nielsen (KVL 98-21). Alate, *Aphis fabae* [Hemiptera: Aphididae] on *Euonymus europaea*. 9 Oct 1998. Denmark: Copenhagen, Zealand.
- 6166 K Dromph (KVL 633). *Sitobion avenae* [Hemiptera: Aphididae] on *Hordeum murinum*. 13 Aug 1995. Denmark: Valbyparken, Copenhagen, Zealand.
- 6631 PS Duetting (G1). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on *Pisum sativum* cv. Columbia, garden peas. 25 Jun 2000. USA: University of Idaho Kambitsch Research Farm, Latah County, Idaho.

- 6902 MR McGuire. [Hemiptera: Aphididae] from roadside patch of *Malva* sp., mallow. 7 Feb 2001. USA: Intersection of Road 14 and Avenue 22, Madera County, California. Live aphids collected were a mixture of *Myzus persicae* Sulzer and *Aphis gossypii* Glover.
- 7212 AE Hajek (03 NY 7-3-4). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.
- 7213 AE Hajek (03 NY 7-4-1). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.
- 7214 AE Hajek (03 NY 7-4-2). *Aphis glycines* [Hemiptera: Aphididae]. 26 Aug 2003. USA: Field number 4, North Rose, New York.
- 7226 AE Hajek (03 NY 7-4-3). *Aphis glycines* [Hemiptera: Aphididae]. 27 Aug 2003. USA: Field number 4, North Rose, New York.
- 7937 J Enkerli (ETHZ 110). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 16 Jul 1998. Switzerland: Zurich.
- 7938 *Microlophium carnosum* [Hemiptera: Aphididae]. 2 Jul 1996. Switzerland: Schaffhausen.
- 7939 J Enkerli (ETHZ 115). *Microlophium carnosum* [Hemiptera: Aphididae]. 16 Jul 1998. Switzerland: Zurich.
- 8607 AE Hajek (03 NY 7-3-4). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.
- 11662 X Zhou (ZAFU1004). *Myzus persicae* [Hemiptera: Aphididae]. 4 Oct 2010. PR China: Lin'an, Hangzhou, Zhejiang Province.
- 11663 KA Koch. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Jun 2008. USA: University of Minnesota Outreach, Research and Education Park, Rosemount, Minnesota. GPS Coordinates: N 44.7080722, W 93.0993032 Initially isolated from *Acyrtosiphon pisum* Harris, pea aphid.
- 11862 C López Lastra and R Manfrino. *Nasonovia ribisnigri* [Hemiptera: Aphididae] on *Lactuca sativa* L., lettuce. 18 Jun 2012. Argentina: Pereyra, Buenos Aires.
- 11863 C López Lastra and R Manfrino. *Nasonovia ribisnigri* [Hemiptera: Aphididae] on *Lactuca sativa* L., lettuce. 3 Jul 2012. Argentina: Abasto, Buenos Aires.
- Pandora nouryi*** (Remaudière & Hennebert) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 199 [CSIRO EM652] RT Mietkiewski. [Hemiptera: Aphididae] on potato. 1 Sep 1977. USA: Rogers Farm, Stillwater, Maine.
- 362 CSIRO (EM538) ← R Teakle. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Rec'd 1979. Australia: Gatton, Queensland.
- 366 [IPLB 1066] CSIRO (EM542) ← JP Latgé. *Theorioaphis maculata* [Hemiptera: Aphididae]. Rec'd 22 Jan 1979. USA.
- 8930 MG Feng (ZJU0603) and ZH Huang. Air-trapped alate, *Lipaphis erysimi* [Hemiptera: Aphididae]. 23 Mar 2006. PR China: Menghai County, Yunnan Province.
- 8931 MG Feng (ZJU0604) and ZH Huang. Air-trapped alate, *Lipaphis erysimi* [Hemiptera: Aphididae]. Jun 2006. PR China: Menghai County, Yunnan Province.
- Paraisaria dubia*** Samson & BL Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 5764 DG Holdom (900118-01). Larva, *Antitrogus rugulosus* [Coleoptera: Scarabaeidae: Melolonthinae] under sugar cane, in sandy soil. Sep 1990. Australia: On the coastal plain south of Brisbane, Rocky Point, Queensland.
- Penicillium* sp.**
[Eurotiomycetes: Eurotiales]
Trichocomaceae. No species of this genus have been satisfactorily demonstrated to be a primary pathogen of insects. Its presence on or in insect cadavers should be interpreted as necrophytic or accidental.
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- 2643 DW Roberts ← VLRM Benassi. *Orthezia praelonga* [Hemiptera: Ortheziidae]. 12 Sep 1988. Brazil: Linhares, Espírito Santo.
- 2747 GW Riethmacher (B4P). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 19 Jan 1989. Philippines: La Trinidad, Benguet.
- 2834 AE Hajek ← K Tatman (MD97#18). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1989. USA: Baltimore County, Maryland.
- 2836 AE Hajek ← K Tatman (MD110#28). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1989. USA: Baltimore County, Maryland.
- 2950 [CP 278] SP Wraight ← E Dias Quintela. *Chalcodermus bimaculatus* [Coleoptera: Curculionidae]. 23 Jun 1989. Brazil: CNPAF, Goiânia, Goiás.
- 3036 W Mechaber (weevil#2272). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Vaccinium angustifolium*. 20 May 1990. USA: Carver, Massachusetts.
- 4143 [DAT 38] AC Rath (F038). Soil. 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4144 [DAT 78] AC Rath (F078). Soil. 31 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4146 [DAT 86] AC Rath (F086). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4148 [DAT 134] AC Rath (F134) ← Davis. Adult, *Vespula germanica* [Hymenoptera: Vespidae]. 1 Oct 1988. Australia: Davis, RSD4551, Scottsdale, Tasmania.
- 4182 [DAT 225] AC Rath (F225) ← H Yip (HY136). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4223 [DAT 39] AC Rath (F039). Soil. 1987. Australia: Woodbury, Tasmania.

Penicillium sp.

Pochonia sp.

Fungal Cultures

- 4263 [DAT 43] AC Rath (F043) ← RJ Milner (F117). Live, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 4666 [DAT 348] AC Rath (F348) ← H Yip (HY10). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 5335 P Narayanasamy. *Hieroglyphus banian* [Orthoptera: Acrididae] Rice foliage. 8 Feb 1996. India: Rice fields, Annamalai University, Tamil Nadu.
- 5733 E Zhioua (AB). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd 11 Jun 1998. USA: Carolina, Rhode Island.
- 6357 5th instar larva, *Zulia colombiana* [Hemiptera: Cercopidae]. 22 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6359 Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 18 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6603 M Benjamin (27K). Engorged larva, *Ixodes scapularis* [Acari: Ixodidae]. 25 Aug 2000. USA: New York.
- 7974 BC King (54). *Tetranychus urticae* [Acari: Tetranychidae] from rosemary oil leaf-disc bioassay. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AF455492 (96.79%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 7976 BC King (57). *Drosophila* sp. [Diptera: Drosophilidae] from Tanglefoot trap. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AY373925 (100%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 11681 Z Demirbag (As14) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11683 Z Demirbag (As16) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 12048 [ERL 2133] S Gouli (A-12/32) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Fredericksburg, Texas.
- 12049 [ERL 2134] S Gouli (A-12/33) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: Animas, New Mexico.

Penicillium sumatrense Szilvinyi

[Eurotiomycetes: Eurotiales]

Trichocomaceae

- 7099 CE Beard. Larva, *Camponotus* sp. [Hymenoptera: Formicidae]. Rec'd 3 Apr 2003.

Penicillium thomii Maire

[Eurotiomycetes: Eurotiales]

Trichocomaceae

- 2056 [NRRL A-27471] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Penicillium vulpinum (Cooke & Masee) Seifert &

Samson

[Eurotiomycetes: Eurotiales]

Trichocomaceae

- 7057 KT Hodge. From dung. 25 Sep 2002. USA: Ringwood-Lloyd Preserve, Dryden, New York.

Phialophora sp.

[Hyphomycetes]

- 4751 [DAT 354] AC Rath (F354) ← H Yip (HY4). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

Phialophora malorum (Kidd & Beaumont) McColloch

[Hyphomycetes]

- 2072 GC Carroll (RSRS-24/68). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Phoma sp.

[Coelomycetes]

- 9920 [ERL 1755] S Gouli and V Gouli (HWA-G-33). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: Maine.

- 9923 [ERL 1765] S Gouli and V Gouli (HWA-G-43). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

Phoma cava Schulzer

[Dothideomycetes: Pleosporales]

- 2071 GC Carroll (HO-O-Hatch VIII). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Phycomyces blakesleeanus Burgeff

[Mucormycotina: Mucorales]

Phycomycetaceae.

- 6103 Rec'd 22 Mar 1999.

- 6104 Rec'd 22 Mar 1999.

Plesiospora globosa Drechsler

[Sordariomycetes: Hypocreales]

- 5608 SL Glockling (N1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Pochonia sp.

[Sordariomycetes: Hypocreales]

- 10261 CG Wilson (mg4). *Habrotricha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

- 12195 DW Roberts (DWR 2172). Isolated from soil sample SS 23218. 2 Jun 2010. USA: Bennett County, South Dakota. N 43.18584, W 101.27654.

Pochonia bulbillosa (W Gams & Malla) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *Verticillium cephalosporum* W Gams. Reclassified from *Verticillium* Section Prostrata for phylogenetically required reasons.

11800 [ERL 2058] S Gouli (THR-11-47) and V Gouli. [Diptera: Muscidae]. 2011. USA: Sharon Springs, New York.

***Pochonia bulbillosa*(?)** (W Gams & Malla) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1365 S Balazy (1615). Rec'd 19 May 1984. Poland.

3035 W Mechaber (weevil#2209). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.

Pochonia chlamydosporia (Goddard) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Major synonym: *Verticillium chlamydosporium* Goddard

3314 M Brownbridge. Larva, [Coleoptera: Scarabaeidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.

3539 M Brownbridge (B-1). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 29 Nov 1991. USA: oak stand, Leddy Park, Chittenden County, Vermont.

7128 LA Castrillo. Isolated from soil sample. Summer 2002. USA: Peacemeal Farm, Dixmont, Maine. Single spore isolate established from a CFU.

8478 WC Luz (eco 97). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

9494 [SRCAMB AS-429] V Likhovidov. Isolated from soil sample. Mar 2002. Russian Federation: Belgorod Region. Field Collection Number F-256.

Pochonia chlamydosporia* var. *chlamydosporia
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *Verticillium chlamydosporium* Goddard

2218 [CNPAF 86-06-05-6; CP 214] DW Roberts ← DMF Capalbo. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

7852 [SRCAMB AS-429] V Likhovidov (Fu-39) ← BA Borisov (B-429). Isolated from soil sample. Mar 2002. Russian Federation: Belgorod Region. Field Collection Number F-256.

11786 [ERL 2010] S Gouli (THR-11-2) and V Gouli. [Diptera]. 2011. USA: Rupert, Vermont.

11801 [ERL 2059] S Gouli and V Gouli (THR-11-48). [Phthiraptera: Anoplura]. 2011. USA: Sharon Springs, New York.

11810 [ERL 2070] S Gouli (THR-11-59) and V Gouli. [Diptera]. 2011. USA: Sharon Springs, New York.

Pochonia microbactrospora W Gams & Zare in Zare, W Gams & HC Evans
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *Verticillium bactrosporum* (Drechsler) Subramanian

5616 SL Glockling (CM2a). Phylum Nemata from cow manure. 4 Aug 1997. United Kingdom: N.E. England.

5619 SL Glockling (PNS). Rec'd 2 Dec 1997. Japan.

Pochonia suchlasporia (W Gams & Dackman) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae

9495 [SRCAMB B-247] V Likhovidov ← BA Borisov. Larva, Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 14 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-308.

Pochonia suchlasporia* var. *catenata (Gams & Dackman) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Major synonym: *Verticillium suchlasporium* var. *catenatum* W. Gams & Dackman

2064 [ATCC 64259; CBS 789.85; NRRL A-27472] GC Carroll (E). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Podonectria coccicola Petch
[Dothideomycetes: Dothideales]
Tubeufiaceae

3736 AY Rossman ← ME Palm ← Marsicano. 26 Mar 1992. USA: Kissimmee, Florida.

***Polycephalomyces* sp.**
[Sordariomycetes: Hypocreales]

9496 [SRCAMB VL-1325/1] V Likhovidov. [Coleoptera]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-619.

9497 [SRCAMB VL-1951] V Likhovidov. [Coleoptera: Carabidae]. 25 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-1106.

Polycephalomyces formosus Kobayasi
[Sordariomycetes: Hypocreales]

1424 S Balazy (1431). Larva, *Calosoma* sp. [Coleoptera: Carabidae] at ground level in deciduous forest. 29 Jul 1981. Poland: Wielkopolski National Park. Received as *Acremonium terricola* (Miller et al.) W. Gams.

Polycephalomyces ramosus (Peck) Mains
[Sordariomycetes: Hypocreales]

- 4858 JM Sung (C-419). Adult, [Hemiptera: Pentatomidae]. 3 Jul 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University. Mycoparasite on stroma of *Cordyceps* sp. (perhaps *C. nutans*).
- 7095 J Bischoff ← GF Bills and JF White. Larva, [Lepidoptera]. Jun 1999. Mexico: Xalapa.

Polycephalomyces tomentosus (Schrader) Seifert
[Sordariomycetes: Hypocreales]

- 5353 KT Hodge (kth27). *Hemitrichia serpula* [Trichiales: Trichiaceae]. Oct 1994. USA: Coy Glen, Ithaca, New York.

Powellomyces variabilis Longcore, DJS Barr,
Désaulniers
[Chytridiomycetes: Spizellomycetales]
Olpidiaceae

- 6260 MJ Powell. Rec'd 8 Sep 1999.

Pseudogibbellula formicarum (Mains) Samson & HC
Evans
[Sordariomycetes: Hypocreales]

- 2913 CBS (433.73) ← HC Evans. [Hemiptera: Cercopidae] on leaf of *Theobroma cacao*. 1973. Ghana: Tafo, Eastern. GenBank ITS sequence: AY945231.
- 5765 DG Holdom (980203-02). [Hemiptera: Flatidae ?] on *Lantana camara*. Mar 1998. Australia: Beechmont, Queensland.
- 5766 DG Holdom (980203-03). [Hemiptera: Flatidae ?] on *Lantana camara*. Mar 1998. Australia: Beechmont, Queensland.

Pseudomeria mucosa GL Barron
[Sordariomycetes: Hypocreales]

- 8993 CG Wilson (std1a). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York.
- 9383 CG Wilson (io5). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. Rec'd 18 Nov 2009. USA: Ithaca, New York.
- 9384 CG Wilson (iy7). May 2009. USA: graveyard, Baker Hill, Dryden, New York.
- 10262 CG Wilson (ns4). *Adineta* sp. [Bdelloida: Adinetidae] maintained in culture as bait. 5 Nov 2009. Japan: Komabano Park, Tokyo, Tokyo Prefecture. Isolated from soil and moss.
- 10272 CG Wilson (mf3). *Adineta* sp. [Bdelloida: Adinetidae]. 30 Sep 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Purpureocillium lilacinum (Thom) Luangsa-ard,
Houbraken, Hywel-Jones & Samson
[Sordariomycetes: Hypocreales]

Synonym: it *Paecilomyces lilacinus*. Ophiocordycipitaceae. This species is the type of a monotypic new genus erected following the phylogenetic reclassification of *Paecilomyces* Section *Isarioidea*. This species can cause human mycoses, mainly of the eye, but probably presents little or no risk if handled with routine sterile microbiological techniques for transfers or bioassay procedures, etc. Avoid chronic and/or large-scale exposure to airborne conidia to minimize any health risks.

- 410 CW McCoy. *Diaprepes abbreviata* [Coleoptera: Curculionidae]. 20 Jul 1979. USA: Apopka, Florida.
- 531 DW Roberts (82180-13b). [Hemiptera: Pentatomidae]. 21 Aug 1980. Malaysia.
- 723 [CNPAP 82-1-6-10; CP 17] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. 6 Jan 1982. Brazil: CNPAP, Goiânia, Goiás.
- 763 PM Chang. *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 3 Feb 1982. Malaysia: Rice Research Center, Mardi, Bumbong Lima, Icepala Batas, Wellesley Province.
- 986 J Aoki (Paec. 5) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture.
- 1058 [CNPS 30B] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.
- 1951 [CENARGEN CG 301; CNPAP 85-05-02; CP 176] R Pereira. *Ceratomyza* sp. [Coleoptera: Chrysomelidae]. 2 May 1985. Brazil: Campos, Rio de Janeiro.
- 2078 [CP 196] JC Lord and BP Magalhães. *Deois flavopicta* [Hemiptera: Cercopidae]. 1985. Brazil: Hidrolândia, Goiás.
- 2155 BN Muthappa (PNG 12710). *Anoploleptis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2181 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Matalom, Leyte.
- 2182 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Ormoc, Leyte.
- 2183 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Peru.
- 2184 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: University of the Philippines, Los Baños, Manila.
- 2185 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Carigara, Leyte.

- 2186 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Abuyog, Leyte.
- 2215 [CNPAP 86-06-05-2; CP 211] DW Roberts ← PMOJ Neves. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2233 K Narayanan (8). *Meloidogyne* sp. [Tylenchida: Heteroderidae]. Rec'd 27 Aug 1986. India.
- 2952 [CP 273] SP Wraight ← CA da Silva. *Lagriia vilosa* [Coleoptera: Lagriidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 3047 MS Goettel (4B-A). Soil. Jul 1990. Mali: Mordiah.
- 3049 MS Goettel (4B-B). Soil. Jul 1990. Mali: Mordiah.
- 3469 CENARGEN (CG 181). Soil. Jun 1990. Brazil: Canarana, Mato Grosso.
- 3481 CENARGEN (CG 36). Egg, *Deois flavopicta* [Hemiptera: Cercopidae]. Sep 1991. Brazil: Brasília, Distrito Federal.
- 3511 I Quintela (VL3). Rec'd 13 Dec 1991. Location not specified.
- 3512 I Quintela (VL4). Rec'd 13 Dec 1991. Location not specified.
- 3846 LA Lacey (92144). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Jasmine. Rec'd 24 Nov 1992. India: Rampur.
- 3854 [JB Tavares BRA-000167] MS Tigano-Milani (CG-371). Rec'd 13 Jan 1993. Brazil.
- 5805 DA Rodríguez Sierra (UJ89001). *Opsiphanes cassinae* [Lepidoptera: Nymphalidae] on *Elaeis guineensis*. Rec'd 7 Aug 1998. Colombia: Cesar.
- 5876 FE Vega (EBCL 98005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5877 FE Vega (EBCL 98008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5880 FE Vega (EBCL 98015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5882 FE Vega (EBCL 98022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 6018 BL Parker ← V Gouli (SPT-R-183). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Sep 1998. Russian Federation: Volgograd.
- 6021 BL Parker ← V Gouli (SPT-R-196). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6024 BL Parker ← V Gouli (SPT-R-206). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6026 BL Parker ← V Gouli (SPT-R-246). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6080 BL Parker (SPT-2-319/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6081 BL Parker (SPT-U-325). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°52.116', E 069°55.812'.
- 6082 BL Parker (SPT-U-329). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6084 BL Parker (SPT-U-306). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6094 BL Parker (SPT-U-332). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6110 BL Parker (SPT-2-279). Adult, [Coleoptera: Scarabaeidae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6114 BL Parker (SPT-2-345). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6116 BL Parker (SPT-2-359). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6117 BL Parker (SPT-U-361). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6183 FE Vega (EBCL 99017). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 2 Dec 1998. Benin: Porto-Novo, Ouémé.
- 6188 FE Vega (EBCL 99024). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 1998. Benin: Site 3, Niaouli.
- 6190 FE Vega (EBCL 99027). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 1998. Benin: Site 2, Niaouli.
- 6197 FE Vega (EBCL 99036). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 2 Dec 1998. Benin: Porto-Novo, Ouémé.
- 6247 [RCEF 0200] [Hemiptera: Cicadidae]. 12 May 1997. PR China: Anhui.
- 6340 Adult, *Zulia pubescens* [Hemiptera: Cercopidae]. 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6494 BL Parker (SPT-KZ-431). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
- contact Curator*
- 6502 BL Parker (SPT-KZ-461). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:**

contact Curator

- 6621 Acc'd 20 May 2003.
- 6985 [PPRI 7098] JL Hatting. *Diuraphis noxia* [Hemiptera: Aphididae]. 14 Jan 2002. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Free State.
- 7478 [CEP 071] C López Lastra. *Triatoma infestans* [Hemiptera: Reduviidae]. 17 Dec 2003. Argentina: Santiago del Estero.
- 7545 BJ Cole (C25). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 3217. Summer 2004. USA: Mesa County, Colorado.
- 7546 BJ Cole (C31). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony c574. Summer 2004. USA: Mesa County, Colorado.
- 7547 BJ Cole (C40). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 620. Summer 2004. USA: Mesa County, Colorado.
- 7548 BJ Cole (C41). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony c3860. Summer 2004. USA: Mesa County, Colorado.
- 8268 RJ Pereault (plsi#1). Isolated from soil sample. Jul 2006. USA: orchard B, Frankfort, Michigan.
- 8269 RJ Pereault (plsi#2). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8311 A Monzòn (BE157). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Mar 2006. Nicaragua: Masatepe, Masaya. Soil samples collected from a plot of low input coffee with nitrogen fixing shade species *Albizia saman* (Jacq.) F. Muell. and *Inga laurina* (Sw.) Willd.
- 8312 A Monzòn (BE175). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Mar 2006. Nicaragua: Masatepe, Masaya.
- 8456 RB Rosengaus. Egg, *Nasutitermes corniger* [Isoptera: Termitidae]. 24 Apr 2007. Panama: Smithsonian Tropical Research Institute, Gamboa.
- 8477 WC Luz (eco 86). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS: consult Curator.**
- 8483 WC Luz (eco 112) or (T40). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS: consult Curator.**
- 8600 [CSIRO FI-0938] 5 Aug 1992. Gray contaminant on Rose Bengal medium.
- 8918 [ERL 196] BL Parker (AVRDC 0058B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8919 [ERL 213] BL Parker (AVRDC 0286B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8920 [ERL 267] BL Parker (AVRDC 0527B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8921 [ERL 268] BL Parker (AVRDC 0529B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8922 [ERL 280] BL Parker (AVRDC 0587B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 9238 [ERL 688] M Brownbridge (CA-126) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9239 [ERL 818] M Brownbridge (CA-128) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9240 [ERL 821] M Brownbridge (CA-131) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9356 ST Jaronski (TX0902). Isolated from soil on dodine medium. Rec'd 10 Nov 2009. USA: onion field, Weslaco, Texas. Plot 6 sample A2 (bulk soil).
- 9357 ST Jaronski (TX0903). Isolated from soil on dodine medium. Rec'd 10 Nov 2009. USA: onion field, Weslaco, Texas. Plot 18 sample A2 (bulk soil).
- 9371 A Morales (#1A). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 5 Nov 2004. USA: Battle Island State Park Golf Course, Fulton, New York.
- 9522 [SRCAMB VL-1330/1] V Likhovidov. Isolated from surface of stroma of *Cordyceps roseus* 10 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-592.
- 9523 [SRCAMB VL-818] V Likhovidov. [Hemiptera: Cicadellidae]. 16 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-756.
- 9524 [SRCAMB VL-2059] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from *Cordyceps* sp. Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-882.
- 9525 [SRCAMB AS-485] V Likhovidov. Isolated from soil sample. 22 May 2004. Ukraine: Askania-Nova Reserve, Kherson Oblast. Field Collection Number F-951.
- 9526 [SRCAMB AS-638] V Likhovidov. Isolated from soil sample. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-1015.
- 9528 [SRCAMB VL-1485/4] V Likhovidov. [Araneida]. 8 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-535.
- 9604 H Cortez Madrigal. [Hemiptera]. Rec'd 5 Mar 2010. Mexico: Yucatán.
- 9610 PB Avery (B2-1) or (1 DAT 10⁻²). *Singhiella simplex* [Hemiptera: Aleyrodidae] on leaf of *Ficus benjamina* L., weeping fig. 27 Sep 2009. USA: Edwards Road, Fort Pierce, Florida. Isolated from a leaf wash.
- 10127 [ERL 588] Rec'd 17 May 2010.
- 10128 [ERL 689] S Gouli (CA-127) and V Gouli. Isolated from soil sample. 2002. USA: California.

- 10129 [ERL 819] S Gouli and V Gouli (CA-129). Isolated from soil sample. 2002. USA: California.
- 10130 [ERL 820] S Gouli (CA-130) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 10225 A Khan. *Edessa mediatubunda* [Hemiptera: Pentatomidae] on *Datura* sp. 20 Jun 2010. West Indies: Barrackpore, Trinidad.
- 11749 [ERL 1983] Isolated from soil from ant nest. 2011. USA: Sierra Vista, Arizona.
- 11750 [ERL 1984] Isolated from soil from ant nest. 2011. USA: San Simon, Arizona.
- 11751 [ERL 1985] Isolated from soil from ant nest. 2011. USA: Brady-Eden, Texas.

***Pythium* sp.**

[Peronosporomycetes: Pythiales]
Pythiaceae

- 5731 X Su (51-2). Aug 1994. PR China: Guiyang City , Guizhou Province.
- 5732 X Su (6244). 24 Jun 1995. PR China: Guiyang City , Guizhou Province.

Ramicandelaber longisporus Ogawa, Hayashi, Degawa & Yaguchi

[Kickxellomycotina: Kickxellales]

Originally designated in ARSEF as *Tetrarhiza sinensis* but same fungus published as it *Ramicandelaber longispora*

- 6175 SF Meyer (L0321). Eggs/cysts, *Heterodera glycines* [Tylenchida: Heteroderidae] from roots and soil in soybean field. 30 Aug 1992. PR China: Tong County, Beijing.
- 6176 SF Meyer (L0355). Eggs/cysts, *Heterodera glycines* [Tylenchida: Heteroderidae] from roots and soil in soybean field. 30 Aug 1992. PR China: Tong County, Beijing.
- 6327 RA Humber (1). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6328 RA Humber (2). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6329 RA Humber (3). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6330 RA Humber (4). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6331 RA Humber (5). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6332 RA Humber (6). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6333 RA Humber (7). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6334 RA Humber (8). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6335 RA Humber (9). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

- 6336 RA Humber (10). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6337 RA Humber (11). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6338 RA Humber (12). Single spore reisolat of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

Regiocrella camerunensis Chaverri, JF Bischoff, HC Evans & KT Hodge

[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 7682 P Chaverri (PC 725) ← HC Evans (I03-1242). 2003. Cameroon: Korup National Park, Sud-Ouest.

***Rhinocladia*(?) sp.**

[Eurotiomycetes: Chaetothyriales]
Herpotrichiellaceae

- 9365 [ERL 1665] S Gouli and V Gouli (HWA-G-22). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9922 [ERL 1763] S Gouli and V Gouli (HWA-G-41). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 12080 [ERL 2167] S Gouli (PS-12/29) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Carya* sp., hickory. Sep 2012. USA: Charlestown, Rhode Island.
- 12081 [ERL 2168] S Gouli and V Gouli (PS-12/30). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Carya* sp., hickory. Sep 2012. USA: Charlestown, Rhode Island.
- 12082 [ERL 2169] S Gouli (PS-12/31) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Charlestown, Rhode Island.

Rhizophlyctis rosea (de Bary & Woronin) Fischer

[Chytridiomycetes: Spizellomycetales]
Spizellomycetaceae

- 6261 MJ Powell. Rec'd 8 Sep 1999.

Rhizophyidium sphaerotheca Zopf

[Chytridiomycetes: Rhizophydiales]
Rhizophydiaceae

- 6262 MJ Powell. Rec'd 8 Sep 1999.

***Rotiferophthora* sp.**

[Sordariomycetes: Hypocreales]

- 9542 CG Wilson (io3). *Habrotricha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 12 May 2009. USA: Cornell Lab of Ornithology, Ithaca, New York. Isolated from material collected in a sphagnum bog.

- 9543 CG Wilson (io10). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 12 May 2009. USA: Warren Road, Cornell Research Ponds facility, Ithaca, New York. Isolated from soil.
- 9544 CG Wilson (jp1). *Adineta* sp. [Bdelloida: Adinetidae] maintained in culture as bait. 28 May 2009. Japan: Mount Nikko-Shirane, Gunma Prefecture. Isolated from moss collected from the understory of a conifer forest.
- 9545 CG Wilson (jp8). *Habrotrocha* sp. [Bdelloida: Habrotrochidae] maintained in culture as bait. 26 May 2009. Japan: park near a river, Shiobara, Tochigi Prefecture. Isolated from moss.
- 9546 CG Wilson (kara2). *Habrotrocha* sp. [Bdelloida: Habrotrochidae] maintained in culture as bait. 27 May 2009. Japan: Karasawa limestone mine, Tochigi Prefecture. Isolated from moss.
- 10263 CG Wilson (mg2). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.
- 10264 CG Wilson (mg16). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.
- 10265 CG Wilson (mm28). *Habrotrocha* sp. [Bdelloida: Habrotrochidae] occurring naturally. 7 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.
- 10266 CG Wilson (na13). *Adineta* sp. [Bdelloida: Adinetidae] occurring naturally. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Rotiferophthora amamiensis Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 5609 SL Glockling (N5). Phylum Rotifera from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Rotiferophthora angustispora (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 5610 SL Glockling (WG). Phylum Rotifera from decaying straw. 10 Aug 1997. United Kingdom: N.E. England.
- 8991 CG Wilson (ei10). *Habrotrocha elusa* [Bdelloida: Habrotrochidae]. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York.
- 9385 CG Wilson (io9). 12 May 2009. USA: Cornell Research Ponds facility, Dryden, New York.
- 9386 CG Wilson (io19). May 2009. USA: Ithaca, New York.
- 9498 [SRCAMB VL-1709/2] V Likhovidov. [Trichoptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-774.

Rotiferophthora barronii Glockling
[Sordariomycetes: Hypocreales]

- 10267 CG Wilson (iy23). *Adineta* sp. [Bdelloida: Adinetidae]. May 2009. USA: graveyard, Lansing, New York. Isolated from moss and soil.

Rotiferophthora brevipes GL Barron
[Sordariomycetes: Hypocreales]

- 8994 CG Wilson (ned1). 25 Oct 2008. USA: Cornell Research Ponds facility, Neimi Site, Dryden, New York.

Rotiferophthora cylindrospora GL Barron
[Sordariomycetes: Hypocreales]

- 8992 CG Wilson (std1b). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York. Isolated from moss and waterfowl droppings.
- 9547 CG Wilson (iy10). *Habrotrocha* sp. [Bdelloida: Habrotrochidae]. May 2009. USA: graveyard, Lansing, New York. Isolated from soil.
- 9548 CG Wilson (iy24). *Habrotrocha* sp. [Bdelloida: Habrotrochidae]. 12 May 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from mud.
- 10273 CG Wilson (Lt39). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae]. 14 Sep 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York.

Rotiferophthora denticulospora GL Barron
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 5614 SL Glockling (RW2a). Phylum Rotifera from rabbit dung. 1 Jul 1997. United Kingdom: Cheshire, England.
- 9549 CG Wilson (iy21). *Habrotrocha* sp. [Bdelloida: Habrotrochidae]. 12 May 2009. USA: Warren Road, field near Cornell Research Ponds facility, Ithaca, New York. Isolated from soil.

Rotiferophthora globospora GL Barron
[Sordariomycetes: Hypocreales]

- 8995 CG Wilson (ei16). 25 Oct 2008. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

Rotiferophthora guttulaspora GL Barron
[Sordariomycetes: Hypocreales]

- 10269 CG Wilson (nr12). *Habrotrocha elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Rotiferophthora intermedia (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]

10270 CG Wilson (wet17). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. 3 Jul 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York.

Rotiferophthora japonica Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5611 SL Glockling (Nelumbo). Phylum Rotifera from lotus leaves. 24 Oct 1995. Japan: Tokyo, Tokyo Prefecture.

Rotiferophthora lacrima Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5612 SL Glockling (LD4). Phylum Rotifera from decaying vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

Rotiferophthora minutispora Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5613 SL Glockling (12). Phylum Rotifera from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.

Rotiferophthora ovispora (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]

10274 CG Wilson (db1). *Habrotricha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 12 May 2008. USA: Tower Road, Cornell University, Ithaca, New York. Isolated from soil collected beneath a tree.

Rotiferophthora tagenophora (Drechsler) GL Barron
[Sordariomycetes: Hypocreales]

9387 CG Wilson (io21). May 2009.

***Saprolegnia* sp.**
[Oomycetes: Saprolegniales]
Saprolegniaceae

179 I MacDaniel. Larva, [Diptera: Simuliidae]. 18 Jun 1977. USA: Little River, South Penobscot, Maine.

180 I MacDaniel. Larva, [Diptera: Simuliidae]. 18 Jun 1977. USA: Little River, South Penobscot, Maine.

6427 CE Beard (DP0100). [Diptera: Chironomidae]. 26 Jan 2000. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.

***Schizangiella* sp.**
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

2237 R Blaschke-Hellmessen (1). *Elaphe* sp. [Squamata: Colubridae] from granuloma in gut. Rec'd 30 Sep 1986. Germany: Dresden.

2239 R Blaschke-Hellmessen (14). *Elaphe* sp. [Squamata: Colubridae] from granuloma in gut. Acc'd 30 Sep 1986. Germany: Dresden.

Schizangiella serpentis Humber (sp. nov., unpubl.)
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

203 AA Padhye (CDC 76-075022). Female adult, *Crotalus horridus* [Squamata: Viperidae]. May 1974. USA: Baltimore Zoological Park, Baltimore, Maryland.

8000 B Burwell ← R Legge. *Elaphe obsoleta* [Squamata: Colubridae]. 23 Feb 2006. USA: Powhatan School, Boyce, Virginia.

8047 B Burwell ← R Legge. *Elaphe obsoleta* [Squamata: Colubridae]. 14 Jun 2006. USA: Powhatan School, Boyce, Virginia. Isolated during necropsy of snake from which ARSEF 8000 was previously obtained.

***Scopulariopsis* sp.**
[Sordariomycetes: Microascales]

2169 BN Muthappa (PNG 12725). [Coleoptera: Curculionidae]. Rec'd 12 May 1986. Papua New Guinea.

2255 TJ Poprawski (8628). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] on oak tree. 7 Jul 1986. France: Porto-Vecchio, Corsica.

2327 TJ Poprawski (8651). Nymph, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] on potato. 6 Nov 1986. France: Cognac, Charente.

2328 TJ Poprawski (8652). Pupa, *Lucilia illustris* [Diptera: Calliphoridae] on chicken dung. 16 Oct 1986. France: Béhoust, Yvelines.

3189 GW Riethmacher (B43c). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 3 May 1990. Philippines: La Trinidad, Benguet.

3203 GW Riethmacher (EB10). *Plutella xylostella* [Lepidoptera: Plutellidae]. 12 Mar 1990. Philippines: La Trinidad, Benguet.

5164 S Gouli (GP-68). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.

6624 Acc'd 28 May 2003.

8421 AE Hajek (WU6). *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Jul 2000. PR China: Wuhe, Anhui.

8422 AE Hajek (WU18). Jul 2000. PR China: Wuhe, Anhui.

8423 AE Hajek (WU21). Jul 2000.

8825 [CSIRO FI-1201] *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Brassica oleracea* L., cabbage. 30 Dec 1996. French Polynesia: Tahiti.

8826 [CSIRO FI-1202] *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Brassica oleracea* L., cabbage. 30 Dec 1996. French Polynesia: Tahiti.

8827 [CSIRO FI-1206] *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Lantana camara* L., lantana. 30 Dec 1996. French Polynesia: Tahiti.

10309 [ERL 1954] S Gouli and V Gouli (SB-10-1). *Halyomorpha halys* [Hemiptera: Pentatomidae]. Sep 2010. USA: New Jersey.

10310 [ERL 1955] S Gouli (SB-10-2) and V Gouli. *Halyomorpha halys* [Hemiptera: Pentatomidae]. Oct 2010. USA: New Jersey.

11652 [ERL 264] BL Parker (AVRDC 0518B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

Scopulariopsis brevicaulis (Saccardo) Bainier
[Sordariomycetes: Microascales]
Microascaceae

9943 A Torres Barragan (Ral12T). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from vermicompost. Rec'd 23 Apr 2010. USA: Raleigh, North Carolina.

Septobasidium apiculatum Couch
[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

7096 DA Henk (DAH 093). on *Quercus phellos* L., Willow Oak2 May 2002. USA: Boligee, Alabama.

Septobasidium burtii Lloyd
[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

7097 DA Henk (DAH 129A). on *Quercus phellos* L., Willow Oak24 Jul 2002. USA: Duke University campus, corner of Anderson and East Campus Drive, Durham, North Carolina.

7098 DA Henk (DAH 129B). on *Quercus phellos* L., Willow Oak24 Jul 2002. USA: Duke University campus, corner of Anderson and East Campus Drive, Durham, North Carolina.

Septobasidium carestianum Bresadola
[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

6473 DJ McLaughlin (DJM 644-SS6). [Hemiptera: spf. Coccoidea] on branches of *Cornus* sp. 29 Jun 1989. USA: Camp Gray, Baraboo, Wisconsin. Reference specimen in MIN.

***Simplicillium* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6584 G Sewify (6). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Jul 1999. Egypt.

Simplicillium lamellicola (FEV Smith) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Verticillium lamellicola* (F.E.V. Smith) W Gams

1367 S Balazy (1541) ← Wisniewski. [Acari: Oribatidae].

29 Apr 1983. Poland: coniferous forest, Zwierzyniec, nr. Grodzisk, Warsaw.

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9480 [SRCAMB VL-1760/1] V Likhovidov. [Diptera: Muscidae]. 27 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-856.

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11728 I Erper (TR-02). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Ordu Province.

11729 I Erper (TR-03). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Giresun Province.

11732 I Erper (TR-06). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Sakarya Province.

11735 I Erper (TR-09). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Samsun Province.

11737 I Erper (TR-11). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Sakarya Province.

***Simplicillium lamellicola*(?)** (FEW Smith) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7989 Acc'd 26 Apr 2006. **RESTRICTED ACCESS:** consult Curator.

11725 T Wen (09XS-2). Pupa, [Lepidoptera]. 2009. PR China: Xishan, Kunming, Yunnan Province.

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Simplicillium lanosoniveum (F. H. Beyma) Zare & W. Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6430 [EMBRAPA/CPAC] DEN Rangel (CPAC H1). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.

- 6431 [EMBRAPA/CPAC] DEN Rangel (CPAC H3). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.
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- 7623 [SRCAMB VL-879] V Likhovidov. *Parthenolecanium corni* [Hemiptera: Coccidae]. Aug 2002. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-232.
- 8822 WC Luz. [Diptera: Culicidae] Culicine mosquito. Nov 2008. Tanzania: 8°23' S, 36°40' E (Ulanga District), Lupiro, Morogoro.

Simplicillium lanosoniveum(?) (F. H. Beyma) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7988 Rec'd 29 Mar 2006. **RESTRICTED ACCESS:**
consult Curator.

Smittium sp.
[Kickxellomycotina: Harpellales]
Harpellaceae

- 9034 RW Lichtwardt (CR-259-4). [Diptera: Chironomidae]. Nov 1991. Costa Rica.
- 9035 RW Lichtwardt (CR-239-12). *Tanytarsus* sp. [Diptera: Chironomidae]. Nov 1991. Costa Rica.
- 9038 RW Lichtwardt (TN-24-W8). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9050 RW Lichtwardt (NOR-59-2). *Psectrocladius limbatus* [Diptera: Chironomidae]. Aug 2002. Norway.
- 9051 RW Lichtwardt (OR-4-W6). [Diptera]. Sep 2006. USA: Oregon.
- 9065 RW Lichtwardt (ALG-16-W28). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9070 RW Lichtwardt (TN-27-W1B). Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9072 RW Lichtwardt (NOR-25-W10A). May 2002. Norway.
- 9079 RW Lichtwardt (culture 12-1-3). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9081 RW Lichtwardt (TN-24-W11). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

- 9086 RW Lichtwardt (OR-18-W33). [Diptera: Tipulidae]. Sep 2005. USA: Oregon.
- 9087 RW Lichtwardt (AR-19-4S). [Diptera: Chironomidae]. Nov 1992. USA: Madison County, Arkansas.
- 9088 RW Lichtwardt (ALG-16-W27). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9119 RW Lichtwardt (ARG-17-4F). [Plecoptera: Gripopterygidae]. Jul 1996. Argentina: Neuquén.
- 9120 RW Lichtwardt (CR-169-22). *Polypedilum* sp. [Diptera: Chironomidae]. Jun 1988. Costa Rica.
- 9121 RW Lichtwardt (MO-16-2). *Orthocladus* sp. [Diptera: Chironomidae]. Jun 1988. USA: Missouri.
- 9145 RW Lichtwardt (MO-6-5). [Diptera: Chironomidae]. Apr 1993. USA: Missouri.
- 9146 RW Lichtwardt (SWE-3-5). *Orthocladus* sp. [Diptera: Chironomidae]. Jul 1971. Sweden: Norrbotten.
- 9147 RW Lichtwardt (SWI-7-6). *Pseudokiefferiella* sp. [Diptera: Chironomidae]. Aug 1971. Switzerland.
- 9148 RW Lichtwardt (TN-46-W8B). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9265 RW Lichtwardt (ALG-16-WXXX). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Smittium acutum Lichtwardt & Grigg
[Kickxellomycotina: Harpellales]
Harpellaceae

- 9092 RW Lichtwardt (OK-5-1). [Diptera: Chironomidae]. May 1990. USA: Haskell County, Oklahoma.

Smittium angustum MC Williams & Lichtwardt
[Kickxellomycotina: Harpellales]

- 9241 RW Lichtwardt (AUS-126-30). *Tanytarsus* sp. [Diptera: Chironomidae]. Apr 1991. Australia: Western Australia.

Smittium annulatum Lichtwardt
[Kickxellomycotina: Harpellales]

- 9242 RW Lichtwardt (CR-143-8). [Diptera: Simuliidae]. May 1988. Costa Rica.

Smittium caudatum Lichtwardt & Grigg
[Kickxellomycotina: Harpellales]

- 9000 RW Lichtwardt (OK-3-20). [Diptera: Chironomidae]. Jan 1989. USA: Oklahoma.
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Smittium coloradense Lichtwardt & MC Williams
[Kickxellomycotina: Harpellales]

- 9001 RW Lichtwardt (RMBL-13-41). *Cricotopus* sp. [Diptera: Chironomidae]. Jul 1985. USA: Gunnison County, Colorado.
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Smittium commune Lichtwardt & Grigg

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9085 RW Lichtwardt (KS-2-25). [Diptera: Chironomidae]. Mar 1989. USA: Douglas County, Kansas.
- 9243 RW Lichtwardt (KS-5-4). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.
- 9244 RW Lichtwardt (KS-5-7). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.
- 9245 RW Lichtwardt (KS-5-8). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.

Smittium culicis Manier

[Kickxellomycotina: Harpellales]

Harpellaceae

- 5431 RW Lichtwardt (ARG-X-3) ← C Lopez Lastra (#2). 4th instar larva, *Culex renatoi* [Diptera: Culicidae] on *Eryngium cabreriae*. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.
- 5432 RW Lichtwardt (ARG-X-4) ← C López Lastra (#3). 4th instar larva, *Aedes albifasciatus* [Diptera: Culicidae]. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.
- 9003 RW Lichtwardt (43-1-2). *Chironomus* sp. [Diptera: Chironomidae]. Aug 1996. Australia: Tasmania.
- 9004 RW Lichtwardt (ARG-X-4). *Aedes albifasciatus* [Diptera: Culicidae]. May 1995. Argentina: La Plata, Buenos Aires.
- 9005 RW Lichtwardt (AUS-62-10). *Austrothaumalea* sp. [Diptera: Thaumaleidae]. Mar 1987. Australia: Victoria.
- 9006 RW Lichtwardt (AUS-62-16). *Limonia* sp. [Diptera: Tipulidae]. Mar 1987. Australia: Victoria.
- 9007 RW Lichtwardt (LCF-43-2). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.
- 9008 RW Lichtwardt (LEA-7-10). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.
- 9009 RW Lichtwardt (WYO-51-11). *Aedes sticticus* [Diptera: Culicidae]. Sep 1965. USA: Teton County, Wyoming.
- 9010 RW Lichtwardt (GSMNP). [Diptera: Culicidae]. Dec 1989. USA: Great Smoky Mountains National Park, Tennessee.
- 9011 RW Lichtwardt (NY-2-C25). [Diptera: Chironomidae]. Nov 1998. USA: New York.
- 9031 RW Lichtwardt (ARG-X-3). [Diptera: Culicidae]. 1997. Argentina: Buenos Aires.
- 9040 RW Lichtwardt (AUS-62-17). *Limonia* sp. [Diptera: Tipulidae]. Mar 1987. Australia: Victoria.

- 9041 RW Lichtwardt (AUS-62-6). *Austrothaumalea* sp. [Diptera: Thaumaleidae]. Mar 1987. Australia: Victoria.
- 9045 RW Lichtwardt (FRA-15-5). *Chironomus* sp. [Diptera: Chironomidae]. Jul 1968. France: nr. Grenoble, Isère.
- 9046 RW Lichtwardt (FRA-15-7). *Chironomus* sp. [Diptera: Chironomidae]. Jul 1968. France: nr. Grenoble, Isère.
- 9057 RW Lichtwardt (T-12-1-4). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9059 RW Lichtwardt (UT-11-W(a)). [Diptera]. Jan 2006. USA: Utah.
- 9073 RW Lichtwardt (ALG-16-W3). [Diptera: Culicidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9074 RW Lichtwardt (ZEA-6-3). *Culex pervigilans* [Diptera: Culicidae]. Jul 1983. New Zealand: North Island.
- 9084 RW Lichtwardt (LCF-8-1). [Diptera: Thaumaleidae]. Dec 1997. New Zealand: North Island.
- 9091 RW Lichtwardt (ALG-5-W8). [Diptera: Tipulidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9093 RW Lichtwardt (LCF-43-12). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.
- 9123 RW Lichtwardt (culture 12-1-2). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9124 RW Lichtwardt (culture 35-1-1). [Diptera: Thaumaleidae]. Aug 1996. Australia: Tasmania.
- 9125 RW Lichtwardt (AUS-77-5). *Tanytarsus* sp. [Diptera: Chironomidae]. Mar 1987. Australia: Tasmania.
- 9126 RW Lichtwardt (CAN-X-1). *Prosimulium* sp. [Diptera: Simuliidae]. 1962. Canada.
- 9127 RW Lichtwardt (FRA-6-16). [Diptera: Chironomidae]. Jun 1968. France: Hérault.
- 9128 RW Lichtwardt (FRA-9-1). *Culex* sp. [Diptera: Culicidae]. Jun 1968. France: Hérault.
- 9129 RW Lichtwardt (FRA-15-2). [Diptera: Chironomidae]. Jul 1968. France: Southeastern France.
- 9130 RW Lichtwardt (WYO-51-14). *Aedes sticticus* [Diptera: Culicidae]. Sep 1965. USA: Teton County, Wyoming.
- 9140 RW Lichtwardt (culture 12-1-1). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9141 RW Lichtwardt (culture 12-1-4). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9142 RW Lichtwardt (culture 43-1-2). *Chironomus* sp. [Diptera: Chironomidae]. Aug 1996. Australia: Tasmania.
- 9143 RW Lichtwardt (ALG-5-W2b). *Dactylolabis montana* [Diptera: Tipulidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

- 9149 RW Lichtwardt (FRA-8-7). *Culex* sp. [Diptera: Culicidae]. Jun 1968. France: Montpellier, Hérault.
- Smittium culicisoides*** Lichtwardt
[Kickxellomycotina: Harpellales]
Harpellaceae
-
- 9044 RW Lichtwardt (CR-253-12). [Diptera: Chironomidae]. Nov 1991. Costa Rica.
- Smittium culisetae*** Lichtwardt
[Kickxellomycotina: Harpellales]
Harpellaceae
-
- 5200 C López Lastra (2'). Larva, *Aedes crinifer* [Diptera: Culicidae]. 24 Nov 1995. Costa Rica: Buenos Aires, Puntarenas.
- 5430 RW Lichtwardt (ARG-X-2) ← C Lopez Lastra (#1). 4th instar larva, *Culex dolosus* [Diptera: Culicidae]. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.
- 6810 CE Beard (DP170696). Cytospecies IILL-1, *Simulium vittatum* [Diptera: Simuliidae]. 17 Jun 1996. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.
- 7100 CE Beard. 25 Feb 2003. USA: Bull Pen Bog, Jackson County, North Carolina.
- 9012 RW Lichtwardt (COL-18-3). *Culiseta impatiens* [Diptera: Culicidae]. Aug 1963. USA: Gunnison County, Colorado.
- 9013 RW Lichtwardt (FL-X-1). *Aedes albopictus* [Diptera: Culicidae]. Mar 1993. USA: Florida.
- 9014 RW Lichtwardt (HAW-14-8). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9015 RW Lichtwardt (JAP-77-9). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.
- 9016 RW Lichtwardt (KS-108-02). *Aedes vexans* [Diptera: Culicidae]. Apr 2004. USA: Douglas County, Kansas.
- 9017 RW Lichtwardt (KS-108-06). *Aedes vexans* [Diptera: Culicidae]. Apr 2004. USA: Douglas County, Kansas.
- 9018 RW Lichtwardt (LEA-7-4). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.
- 9024 RW Lichtwardt (La-6a-L1). [Diptera: Culicidae]. Feb 2002. USA: Baton Rouge Parish, Louisiana.
- 9025 RW Lichtwardt (AUS-2-8). *Chironomus alternans* [Diptera: Chironomidae]. Jul 1983. Australia: New South Wales.
- 9026 RW Lichtwardt (KAU-W-4). [Diptera: Culicidae]. Oct 1984. USA: Kauai, Hawaii.
- 9032 RW Lichtwardt (SC-DP-1). *Simulium vittatum* [Diptera: Simuliidae]. Jun 1996. USA: Pickens County, South Carolina.
- 9039 RW Lichtwardt (TN-27-A8). *Ochlerotatus japonicus* [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9047 RW Lichtwardt (HAW-5-8). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Hawaii.
- 9048 RW Lichtwardt (JAP-30-4). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.
- 9056 RW Lichtwardt (SMO599). *Culex restuans* [Diptera: Culicidae]. May 1999. USA: Pickens County, South Carolina.
- 9058 RW Lichtwardt (TN-46-6). [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9062 RW Lichtwardt (WYO-44-9). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9069 RW Lichtwardt (TN-27-A8). *Ochlerotatus japonicus* [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9071 RW Lichtwardt (TN-46-A10). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9075 RW Lichtwardt (ARG-X-5). [Diptera: Culicidae]. 1997. Argentina: La Plata, Buenos Aires.
- 9094 RW Lichtwardt (ARG-X-1). *Aedes crinifer* [Diptera: Culicidae]. 1997. Argentina: La Plata, Buenos Aires.
- 9095 RW Lichtwardt (CAL-X-2). *Culiseta incidens* [Diptera: Culicidae]. 1962. USA: California.
- 9096 RW Lichtwardt (CLW-2-44). *Simulium vittatum* [Diptera: Simuliidae]. 1965. USA: Minnesota.
- 9097 RW Lichtwardt (FRA-7-1). *Dasyhelea* sp. [Diptera: Ceratopogonidae]. Jun 1968. France.
- 9098 RW Lichtwardt (HAW-E-2). [Diptera: Culicidae]. Oct 1982. USA: Hawaii.
- 9099 RW Lichtwardt (HAW-5-5). *Aedes albopictus* [Diptera: Culicidae]. Dec 1963. USA: Oahu, Hawaii.
- 9100 RW Lichtwardt (HAW-5-7). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Oahu, Hawaii.
- 9101 RW Lichtwardt (HAW-5-9). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Oahu, Hawaii.
- 9102 RW Lichtwardt (HAW-13-2). *Aedes vexans* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9103 RW Lichtwardt (HAW-13-3). *Aedes vexans* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9104 RW Lichtwardt (HAW-14-5). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9105 RW Lichtwardt (HAW-14-5M). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9106 RW Lichtwardt (HAW-14-7). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9107 RW Lichtwardt (JAP-30-3). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.
- 9108 RW Lichtwardt (JAP-30-8). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.
- 9109 RW Lichtwardt (JAP-57-1). [Diptera: Culicidae]. Jul 1964. Japan: Honshu.

- 9110 RW Lichtwardt (JAP-77-7). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.
- 9111 RW Lichtwardt (JAP-77-8). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.
- 9112 RW Lichtwardt (LEA-7-2). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.
- 9113 RW Lichtwardt (TN-24-A3). [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9114 RW Lichtwardt (WYO-42-26). *Orthocladius* sp. [Diptera: Chironomidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9115 RW Lichtwardt (WYO-44-1). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9131 RW Lichtwardt (ARG-X-2). *Culex dolosus* [Diptera: Culicidae]. Nov 1995. Argentina: Buenos Aires.
- 9132 RW Lichtwardt (SWI-4-13). [Diptera: Chironomidae]. Aug 1971. Switzerland.
- 9133 RW Lichtwardt (WYO-44-8). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9246 RW Lichtwardt (NE-27-1). *Aedes vexans* [Diptera: Culicidae]. Jul 1979. USA: Kearney County, Nebraska.
- 9247 RW Lichtwardt (WYO-44-15). [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.

Smittium cylindrosporum Lichtwardt & Arenas
[Kickxellomycotina: Harpellales]

- 9116 RW Lichtwardt (CHI-27-1). *Cricotopus* sp. [Diptera: Chironomidae]. Dec 1993. Chile: Southern Chile.
- 9248 RW Lichtwardt (CHI-20-04). *Cricotopus* sp. [Diptera: Chironomidae]. Oct 1993. Chile: Southern Chile.
- 9249 RW Lichtwardt (CHI-20-7). *Cricotopus* sp. [Diptera: Chironomidae]. Oct 1993. Chile: Southern Chile.

Smittium dipterorum Lichtwardt
[Kickxellomycotina: Harpellales]

- 9250 RW Lichtwardt (CR-254-13). *Chironomus* sp. [Diptera: Chironomidae]. Nov 1991. Costa Rica.
- 9263 RW Lichtwardt (CR-253-14). *Simulium* sp. [Diptera: Simuliidae]. Nov 1991. Costa Rica.

Smittium elongatum Lichtwardt
[Kickxellomycotina: Harpellales]

- 9251 RW Lichtwardt (AUS-59-5S). [Diptera: Chironomidae]. Mar 1987. Australia: Victoria.

Smittium fecundum Lichtwardt & MC Williams
[Kickxellomycotina: Harpellales]
Legeriomycetaceae

- 9022 RW Lichtwardt (RMBL-64-5). *Psectrocladius* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.
- 9083 RW Lichtwardt (RMBL-61-13). *Psectrocladius* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.

Smittium gravimetalum Lichtwardt, Ferrington & Harford
[Kickxellomycotina: Harpellales]

- 9029 RW Lichtwardt (KS-F1-15). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.
- 9036 RW Lichtwardt (KS-F1-5). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.
- 9264 RW Lichtwardt (KS-F1-14). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.

Smittium imitatum Lichtwardt & Arenas
[Kickxellomycotina: Harpellales]
Harpellaceae

- 9033 RW Lichtwardt (CHI-9-4). *Simulium* sp. [Diptera: Simuliidae]. Dec 1993. Chile: Los Lagos.

Smittium lentaquaticum Siri, MM White & Lichtwardt
[Kickxellomycotina: Harpellales]

- 9068 RW Lichtwardt (TN-27-A4). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9082 RW Lichtwardt (TN-27-A5). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9253 RW Lichtwardt (TN-27-A3(s)). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

Smittium megazygosporum Manier & Coste
[Kickxellomycotina: Harpellales]
Harpellaceae

- 6275 CE Beard (DP161096). Cytospecies IIL-1, *Simulium vittatum* [Diptera: Simuliidae]. 16 Oct 1996. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.
- 9037 RW Lichtwardt (SC-DP-2). *Simulium vittatum* [Diptera: Simuliidae]. Jun 1997. USA: Pickens County, South Carolina.

***Smittium megazygosporum*(?)**

[Kickxellomycotina: Harpellales]

- 9027 RW Lichtwardt (BLH-16). *Orthocladius* sp. [Diptera: Chironomidae]. Jan 1999. USA: Chase County, Kansas.

Smittium morbosum Sweeney

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9060 RW Lichtwardt (WKRa). *Ochlerotatus triseriatus* [Diptera: Culicidae]. Sep 2006. USA: South Carolina.
9061 RW Lichtwardt (WKRb). *Ochlerotatus triseriatus* [Diptera: Culicidae]. Sep 2006. USA: South Carolina.

Smittium mucronatum Manier & Mathiez ex Manier

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9028 RW Lichtwardt (FRA-12-3). *Psectrocladius sordidellus* [Diptera: Chironomidae]. Jul 1968. France: Hérault.
9063 RW Lichtwardt (ALG-10-S8). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
9067 RW Lichtwardt (ALG-7-W7). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
9090 RW Lichtwardt (ALG-7-W6). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
9144 RW Lichtwardt (ALG-7-W10). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Smittium orthocladii Manier

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9080 RW Lichtwardt (TN-3-4). [Diptera: Chironomidae]. Dec 1989. USA: Sumner County, Tennessee.

***Smittium perforatum*(?)**

[Kickxellomycotina: Harpellales]

- 9055 RW Lichtwardt (RMBL-44-3). *Diamesa* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.

Smittium phytotelmatum Lichtwardt

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9076 RW Lichtwardt (CR-133-2). *Chironomus* sp. [Diptera: Chironomidae]. May 1988. Costa Rica.

Smittium simulatum Lichtwardt & Arenas

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9042 RW Lichtwardt (CHI-8-7). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

- 9078 RW Lichtwardt (CHI-8-3). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

- 9117 RW Lichtwardt (CHI-8-4). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

Smittium simulii Lichtwardt

[Kickxellomycotina: Harpellales]

- 9019 RW Lichtwardt (JAP-32-4). [Diptera: Chironomidae]. May 1964. Japan: Shikoku.
9043 RW Lichtwardt (CLW-10-6). *Simulium* sp. [Diptera: Simuliidae]. Aug 1965. USA: Minnesota.
9049 RW Lichtwardt (JAP-57-5). [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.
9118 RW Lichtwardt (CLW-10-5). *Simulium* sp. [Diptera: Simuliidae]. 1965. USA: Minnesota.
9134 RW Lichtwardt (CLW-9-15). *Simulium* sp. [Diptera: Simuliidae]. 1965. USA: Minnesota.
9135 RW Lichtwardt (JAP-31-7). *Simulium uchidai* [Diptera: Simuliidae]. May 1964. Japan: Shikoku.
9136 RW Lichtwardt (JAP-33-2). [Diptera: Chironomidae]. May 1964. Japan: Shikoku.
9137 RW Lichtwardt (JAP-51-5). *Simulium* sp. [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.
9138 RW Lichtwardt (JAP-51-18). *Simulium* sp. [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.
9139 RW Lichtwardt (SWE-8-4). *Diamesa* sp. [Diptera: Chironomidae]. Jul 1971. Sweden: Norrbotten.

Smittium stenosporum

[Kickxellomycotina: Harpellales]

- 9023 RW Lichtwardt (OK-3-14). *Cricotopus* sp. [Diptera: Chironomidae]. Jan 1989. USA: Haskell County, Oklahoma.

Smittium tipulidarum MC Williams & Lichtwardt

[Kickxellomycotina: Harpellales]

- 9052 RW Lichtwardt (RMBL-14-10). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.
9053 RW Lichtwardt (RMBL-31-2). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.
9054 RW Lichtwardt (RMBL-31-4). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.
9122 RW Lichtwardt (RMBL-31-1). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

Smittium tronadorium Lichtwardt, Ferrington & López Lastra
[Kickxellomycotina: Harpellales]

9030 RW Lichtwardt (ARG-24-20F). *Paraheptagyia* sp. [Diptera: Chironomidae]. Nov 1996. Argentina: Río Negro.

***Sorospora* sp.**

[Sordariomycetes: Hypocreales]

377 JE Henry (118). ?*Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd Jul 1980. USA: Montana.

***Sorospora uvela* (Krassiltschik) Giard**

[Sordariomycetes: Hypocreales]

Sorospora is the chlamydosporic state of fungi whose conidial states are classified as *Syngliocladium* species. Clumps of chlamydospores germinate and produce fasciculate synnemata bearing clusters of *Syngliocladium* phialides.

1123 PP Sikorowski ← J Kuhre. 4th instar larva, *Curculio caryae* [Coleoptera: Curculionidae] pecan tree. 14 Dec 1983. USA: West Helena, Arkansas.

1714 G Riba. Acc'd 6 Nov 1984. France.

1856 DG Boucias. *Scapteriscus vicinus* [Orthoptera: Gryllotalpidae]. 1984. USA: Gainesville, Florida.

***Spicellum ovalispora* Seifert & SA Rehner**

[Sordariomycetes: Hypocreales]

Bionectriaceae. IMI 2223216 was originally received as Beauv. brongniartii; reidentified as new sp by K.Seifert and S. Rehner

7759 [IMI 223216] From oat. Rec'd 10 Jun 2005. United Kingdom.

***Spizellomyces kniepi* Gaertner ex DJS Barr**

[Chytridiomycetes: Spizellomycetales]

Spizellomycetaceae

6263 MJ Powell. Rec'd 8 Sep 1999.

***Sporodiniella umbellata* Boedijn ex HC Evans &**

Samson

[Mucormycotina: Mucorales]

Mucoraceae

5222 [CBS 148.75; IMI 225999] ATCC (36482). [Hemiptera: Jassidae] on cacao leaves. Acc'd 2 Aug 1996. Location not specified.

***Sporothrix* sp.**

[Sordariomycetes: Ophiostomatales]

Ophiostomataceae

1908 MC Rombach (5). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

6341 [CIAT 013] D Peck. Adult, 12 May 1999. Brazil: Lagiardo Farm, Botucatu, São Paulo.

7038 RG Hollingsworth (KNF2002-8). [Hemiptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

7042 RG Hollingsworth (KNF2002-13). [Hemiptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

10230 SR Sánchez Peña. Adult, *Diaphorina citri* [Hemiptera: Psyllidae] on *Murraya paniculata* (L.) Jack, orange jessamine. 10 Nov 2009. Mexico: Gutiérrez Zamora, Veracruz.

***Sporothrix ghanensis* de Hoog & HC Evans**

[Sordariomycetes: Ophiostomatales]

Ophiostomataceae

9500 [SRCAMB VL-2061] V Likhovidov. [Hemiptera: Coccoidea]. 1998. Russian Federation: Sochi District, Krasnodarsky Krai. Field Collection Number F-883.

***Sporothrix insectorum* de Hoog & HC Evans**

[Sordariomycetes: Ophiostomatales]

Ophiostomataceae

2909 CBS (770.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve.

2918 CBS (756.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve. CULTURE EX TYPE.

6286 [RCEF 0264] [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Qinghan.

7924 KT Hodge ← AE Hajek. Larva, [Lepidoptera]. Aug 2005. USA: Carlo Creek, near Denali National Park, Denali Borough, Alaska.

9501 [SRCAMB VL-2051] V Likhovidov. [Lepidoptera: Pyralidae]. 2004. Russian Federation: Novosibirsk Region. Field Collection Number F-880.

9502 [SRCAMB VL-2052] V Likhovidov. Adult, *Carabus* sp. [Coleoptera: Carabidae]. 1993. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-890.

***Stachybotrys* sp.**

[Hyphomycetes]

2863 MG Feng (SA8801). *Sitobion avenae* [Hemiptera: Aphididae] on spring wheat. 19 Jun 1988. USA: Wilder, Idaho.

Sterile mycelium

1353 S Balazy (1594). Rec'd 19 May 1984. Poland.

1435 MC Rombach (II.1). *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 14 Apr 1984. Philippines: Maasin, Palawan.

2073 GC Carroll (CH-O-66/201). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

3702 LA Lacey (060). Adult, [Hemiptera: Cicadellidae]. 7 Apr 1992. India: Padappai.

- 3703 LA Lacey (008A). Adult, [Hemiptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.
- 3705 LA Lacey (015A). Adult, [Hemiptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.
- 3710 LA Lacey (037A) ← A Kisk. Adult, [Hemiptera: Aleyrodidae]. 18 Dec 1991. Spain.
- 3711 LA Lacey (041A) or (041A). Adult, [Hemiptera: Aleyrodidae]. 17 Mar 1991. Nepal: Katmandu.
- 3712 LA Lacey (019A). Adult, [Hemiptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.
- 3725 P Narayanasamy (30). Rec'd 28 May 1992. Location not specified.
- 3735 P Timper (C11). *Aphelenchoides* sp. [Aphelenchida: Aphelenchoididae]. Apr 1992. USA: CU land, Rt. 366, Ithaca, New York.
- 3868 LA Lacey (92157). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Sep 1992. India: Podumbu.
- 4009 T Steenberg (135) ← A Kirkeby-Thomse. Pupa, [Coleoptera: Cerambycidae] on spruce. Sep 1988. Denmark: Grib Skov, Zealand.
- 4237 [DAT 211] AC Rath (F211) ← H Yip (HY150). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4243 [DAT 26] AC Rath (F26). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1986. Australia: Newtown, Tasmania.
- 4376 LA Lacey (94022). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 21 Jan 1994. Brazil: Londrina, Paraná.
- 4712 D Peck (11). Adult, female, *Prosapia plagiata* [Hemiptera: Cercopidae] *Cynodon nlemfuensis*. 12 Aug 1994. Costa Rica: Dairy pasture at 1400M elevation, Monteverde, Puntarenas.
- 4750 [DAT 353] AC Rath (F353) ← H Yip (HY5). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 5819 BL Parker (AT 070). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.
- 11693 Z Demirbag (Gg6) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- Stilbella buquetii*** (Montagne & Robin) Samson & HC Evans
[Sordariomycetes: Hypocreales]
-
- 2915 CBS (511.88). *Artipes* sp. [Coleoptera: Curculionidae]. 1988. USA: Florida.
- 2917 CBS (999.73). 1973. Location not specified.
- Strongwellsea castrans*** Batko & Wiser
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.
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- 3282 J Eilenberg (KVL 62). *Delia radicum* [Diptera: Anthomyiidae]. 8 Sep 1988. Denmark: Roskilde, Zealand.
- 3485 J Eilenberg (KVL 84). *Delia radicum* [Diptera: Anthomyiidae]. Aug 1991. Denmark: Slangerup, Frederiksberg.
- Syncephalastrum racemosum*** Cohn ex Schröter
[Mucormycotina: Mucorales]
Syncephalastraceae
-
- 2315 JE Moxon (21). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.
- Syngliocladium* sp.**
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 5217 KT Hodge (WOZ B) ← CA Wozniak. Larva, *Tetanops myopaeformis* [Diptera: Ulidiidae] Soil. Aug 1995. USA: Pembina Co., Buzz Baldwin Farm, St. Thomas, North Dakota.
- 5720 JM Sung (KEFC-1306). Rec'd 11 May 1998.
- Syngliocladium tetanopsis*** KT Hodge, Humber & Wozniak
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 4972 KT Hodge ← CA Wozniak. *Tetanops myopaeformis* [Diptera: Ulidiidae]. 6 Jun 1995. USA: Red River Valley, North Dakota. Specimen deposited in Cornell Plant Pathology Herbarium as CUP 64915.
- 5497 [NRRL 21854] CA Wozniak (FSt1A8-2294). 3rd instar larva, *Tetanops myopaeformis* [Diptera: Ulidiidae]. Summer 1994. USA: Pembina County, St. Thomas, North Dakota. Culture ex type; the holotype is a dried specimen of ARSEF 5497 in Cornell Plant Pathology Herbarium as CUP 64913.
- 5577 [NRRL 21853] CA Wozniak (FHi1A11-295). 3rd instar larva, *Tetanops myopaeformis* [Diptera: Ulidiidae]. Rec'd 17 Dec 1997. USA: Traill County, Hillsboro, North Dakota.
- Synnematium jonesii*** Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 5664 [ATCC 44767; IMI 205309] *Promecotheca papuana* [Coleoptera: Hispinae]. Rec'd 10 Feb 1998. Papua New Guinea.
- Syspastospora parasitica*** (Tulasne) Cannon & Hawksworth
[Sordariomycetes: Sordariales]
Ceratosptomataceae. Synonym: *Melanospora parasitica* (Tulasne) Tulasne & C Tulasne
-
- 5375 KT Hodge. Mycoparasite of *Paecilomyces fari-nosus* on unknown insect. Rec'd 25 Nov 1996. USA:

- Ringwood-Lloyd Preserve, Cornell University Plantations, Dryden, New York. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 63891.
- 7285 FE Vega. Mycoparasite of *Beauveria bassiana* on *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 25 Jul 2003. USA: Sleepy Hollow, Beltsville Agricultural Research Center, Beltsville, Maryland.
- 12396 ST Jaronski (13AW340-1B). 16 Jun 2013.
-
- Tilachlidium* sp.**
[Hyphomycetes]
-
- 2415 M Shimazu (F-545). [Coleoptera: Elateridae]. 14 Jul 1986. Japan: Hachioji, Tokyo Prefecture.
- 7072 KT Hodge (PR9). On fern fronds 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 10132 [ERL 1790] S Gouli and W Reid (BS-2010-1). [Coleoptera: Chrysomelidae]. 2010. USA: Florida.
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- Tilletiopsis* sp.**
[Exobasidiomycetes]
- These strains were probably accidental contaminants of brown planthoppers. This genus is usually found only among phylloplane fungi and is not otherwise known to be entomopathogenic.
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- 527 DW Roberts (82880-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: Chainat Rice Exp. Sta., N of Bangkok, Khlong Luang.
- 572 DW Roberts (82880-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: Khlong Luang.
- 573 DW Roberts (82880-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: Khlong Luang.
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- Tolypocladium* sp.**
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 6634 SB Alves (ESALQ 1224). *Leptopharsa heveae* [Hemiptera: Tingidae]. 31 Aug 1998. Brazil: São José do Rio Claro, Mato Grosso.
-
- Tolypocladium cylindrosporum*** W Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 705 GG Soares. *Aedes sierrensis* [Diptera: Culicidae]. Acc'd 17 Nov 1982. USA: California.
- 841 JS Pillai. *Aedes australis* [Diptera: Culicidae]. Acc'd 7 Jun 1983. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 961 [CBS ?719.70; CCFC DAOM 183952] UAMH (4563) or (?4995) ← J Weiser ← JS Pillai. [Diptera: Culicidae]. Rec'd 9 Sep 1983. Czech Republic.
- 962 [ATCC 42438; CCFC DAOM 167325] UAMH (4592) ← J Bissett (737). Soil sample SV113. 2 Jun 1971. Canada: Bromus site, alpine eutric brunisol, grass slope, elev. 1900 m, Mt. Allen, Kananaskis Valley, Alberta.
- 963 [CCFC DAOM 167176] UAMH (4593) ← S Visser. Soil. Aug 1976. Canada: spruce-fir forest, elev. 5500-6000 ft, nr. Luscar, Alberta.
- 976 [GCRI 131-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. Acc'd 17 Oct 1983. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 1027 [GCRI 130-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. 1982. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 1028 [GCRI 132-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. 1982. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 1580 GG Soares (Tc4c). *Aedes sierrensis* [Diptera: Culicidae]. Acc'd 17 Sep 1984. USA: Novato, California.
- 2777 T Steenberg (186). [Lepidoptera: Noctuidae]. 6 Jun 1989. Denmark.
- 2778 T Steenberg (187). [Lepidoptera: Noctuidae]. 19 Jun 1989. Denmark.
- 2911 CBS (276.82) ← GG Soares. [Diptera: Culicidae]. 1982. New Zealand.
- 2912 CBS (989.73) ← LP Kish. *Plecia nearctica* [Diptera: Bibionidae]. 1973. USA: Florida.
- 2920 CBS (718.70). Peat soil. 1970. United Kingdom: northern Pennines (Moorhouse), England. CULTURE EX TYPE.
- 3392 CCFC (DAOM 180479) ← G Dutzler (21). Soil. Rec'd 1 Oct 1991. Nepal.
- 3393 Soil. Rec'd 1 Oct 1991. Nepal.
- 5525 I Klingen (BAL 3). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 18 Sep 1996. Norway: Balsfjord, Troms. **RESTRICTED ACCESS:** contact Curator.
- 5526 I Klingen (TØF 22.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag. **RESTRICTED ACCESS:** contact Curator.
- 5527 I Klingen (VFB 10.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 4 Sep 1996. Norway: Grane, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5528 I Klingen (ØNN 2.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5529 I Klingen (ØNN 2.3). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** contact Curator.

- 5530 I Klingen (ØNN 3.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5531 I Klingen (ØNN 4.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5532 I Klingen (ØNN 4.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5538 I Rong (PPRI 6396). Larva, *Sirex noctilo* [Hymenoptera: Siridae] inside *Pinus radiata*. 26 Jun 1997. South Africa: Tokai Forest, Western Cape Province.
- 5558 I Klingen (ØNN 2.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Valberg, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5559 I Klingen (ØNN 3.2). Pupa, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Valberg, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 7129 LA Castrillo. Isolated from soil sample. Summer 2002. USA: Aroostook Farm, Presque Isle, Maine. Single spore isolate established from a CFU.
- 7456 GM Duke and MS Goettel (LRC 172). [Coleoptera: Elateridae]. 12 May 2003. Canada: Agassiz, British Columbia.
- 7539 E Groden (Plate #7). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2003. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7812 [SRCAMB VL-389] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from stroma. 8 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-268.
- 9503 [SRCAMB VL-272] V Likhovidov. [Araneida]. Sep 2001. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-751.
- 10146 [ERL 1806] S Gouli (Thr.-10-9) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- Tolypocladium extinguens*** Samson & Soares
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 2921 CBS (345.77) ← GJ Samuels. *Arachnocampa luminoza* [Diptera: Mycetophilidae]. 1977. New Zealand. CULTURE EX TYPE.
- Tolypocladium geodes*** W Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 2684 J Weiser (R5) ← J Bissett. Acc'd 14 Feb 1989. Location not specified.
- 3271 CCFC (DAOM 167321) ← J Bissett (384). Soil. Rec'd Apr 1991. Canada: dry sedge meadow, elev. 2100 m, Mt. Allen, Kananaskis Valley, Alberta.
- 3272 CCFC (DAOM 167323) ← J Bissett (570). Soil. Rec'd Apr 1991. Canada: bromus site, grass slope, elev. 1900 m, Mt. Allen, Kananaskis Valley, Alberta.
- 3273 CCFC (DAOM 167326) ← J Bissett (938). Soil sample SX133. Rec'd Apr 1991. Canada: Bromus site, alpine eutric brunisol, grass slope, Mt. Allen, Kananaskis Valley, Alberta.
- 3274 [ATCC 56502] CCFC (DAOM 176470) ← A Carter. Soil. 19 Nov 1976. Canada: predominantly white spruce woods, 29.7 km SSE of Sudbury, Ontario.
- 3275 CCFC (DAOM 191333) ← P Widden. Soil Moorland soil, A1 horizon. Rec'd Apr 1991. United Kingdom: Gisburn Forest, England.
- 3276 CCFC (DAOM 191336) ← P Widden. Festuca grasslands, moorland soil. Rec'd Apr 1991. United Kingdom: elev. 1850 ft, Pennines (Moorhouse), England.
- 9504 [SRCAMB VL-2159] V Likhovidov. Isolated from soil sample. 2006. Russian Federation: Tver Region. Field Collection Number F-143.
- 9505 [SRCAMB AS-635] V Likhovidov. Isolated from soil sample. Aug 2004. Russian Federation: Moscow Region. Field Collection Number F-1013.
- Tolypocladium inflatum*** W Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Major synonym: *Tolypocladium niveum* (Rostrup) Bissett. Teleomorph: *Elaphocordyceps subsessilis* (Petch) GH Sung, JM Sung, Hywel-Jones & Spatafora
-
- 616 [CCFC 962] ATCC (18981) ← O Fassatiava. Rec'd 27 May 1981. Czech Republic.
- 3277 CCFC (DAOM 64352) ← W Gams. Humus (alpine soil). Rec'd Apr 1991. Austria: Obergurgl-Ötztal, Tirol.
- 3278 CCFC (DAOM 160594) ← V Behan. *Mycobates* sp. [Acari: Oribatidae]. Rec'd Apr 1991. Canada: Frobisher Bay, Baffin Island, Northwest Territories.
- 3279 CCFC (DAOM 167175) ← S Visser. Humified organic material. Rec'd Apr 1991. Canada: undisturbed spruce-fir forest, nr. Luscar, Alberta.
- 3280 CCFC (DAOM 167322) ← J Bissett (530). Soil sample A382. Rec'd Apr 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, elev. 2530 m, Mt. Allen, Kananaskis Valley, Alberta.
- 3281 CCFC (DAOM 198395) ← DD Strongman. Pupa, [Diptera: Tachinidae]. Rec'd Apr 1991. Canada: Acadia Forest Exp. Station, Fredericton, New Brunswick.
- 3320 CCFC (DAOM 63905) ← D Brewer. Slime from pulp & paper mill. Rec'd 30 Apr 1991. Canada: Corner Brook, Newfoundland.

- 3321 [ARSEF 3397 (deaccessioned); J Bissett 88M-143] CCFC (DAOM 199924) ← D Perry (1602). *Choristoneura fumiferana* [Lepidoptera: Tortricidae] on spruce. Rec'd 30 Apr 1991. Canada: Acadia Forest Exp. Station, Fredericton, New Brunswick.
- 3394 CCFC (DAOM 183955) ← L Ippolito (38-BI). Root of black spruce, clay soil. Rec'd 1 Oct 1991. Canada: SW Burt Lake, Burt Twp., Timiskaming District, Ontario.
- 3395 [J Bissett 83M-38] CCFC (DAOM 185687) ← D Lahaie. Sediment 21m below surface of acidic lake. Rec'd 1 Oct 1991. Canada: White Pine Lake, NW of Sudbury, Ontario.
- 3396 CCFC (DAOM 191338) ← P Widden (LP-177). *Festuca* grasslands, moorland soil, A1 horizon. Rec'd 1 Oct 1991. United Kingdom: elev. 2750 ft, Pennines (Moorhouse), England.
- 3398 CCFC (DAOM 210147) ← DS Abrahamson (5). Maple/beech/birch forest floor. Rec'd 1 Oct 1991. USA: Mt. Clinton Rd., White Mountain National Forest, New Hampshire.
- 3432 CCFC (DAOM 167132) ← P Widden (M-105). Soil in *Pinus contorta* stand. Rec'd 29 Oct 1991. Canada: Kananaskis Valley, Alberta.
- 3433 [ATCC 36654] CCFC (DAOM 180481) ← G Dutzler (94). Soil. Rec'd 29 Oct 1991. Nepal.
- 3790 KT Hodge (kth11). 23 Sep 1992. USA: foam below Ithaca Falls, Ithaca, New York.
- 4575 [DAT 472; IMI IMI358246] AC Rath (F472). 40-60 days, *Salmo salar*. Rec'd 1 Sep 1994. Australia: Tasmania.
- 4772 [DAT 471] AC Rath (F471). 40-60 grams, *Salmo salar*. Rec'd 23 Sep 1994. Australia: Tasmania.
- 4877 KT Hodge (kth30A). [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4878 KT Hodge (kth30B). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485. .
- 4879 KT Hodge (kth30C). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4880 KT Hodge (kth30D). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4881 KT Hodge (kth30E). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485. .
- 4882 KT Hodge (kth30F). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4883 KT Hodge (kth30G). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485. .
- 4884 [ATCC 200994; CBS 305.95; CCFC 006988; UAMH 8723] KT Hodge (kth30H). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485. .
- 4885 KT Hodge (kth30I). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4886 KT Hodge (kth30J). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4887 KT Hodge (kth30K). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4888 KT Hodge (kth30L). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4889 KT Hodge (kth30M). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as

- CUP 63485.
- 4890 KT Hodge (kth30N). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4891 KT Hodge (kth30O). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4892 KT Hodge (kth30P). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4893 KT Hodge (kth30Q). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4894 KT Hodge (kth30R). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4895 KT Hodge (kth30S). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4896 KT Hodge (kth30T). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4897 KT Hodge (kth30U). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 4898 KT Hodge (kth30V). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.
- 9506 [SRCAMB B-225] V Likhovidov ← BA Borisov. Isolated from soil sample. 2000. Russian Federation: Caucasus region, Teberdinsk State Nature Reserve, Karachayevo-Cherkessiya Republ. Field Collection Number F-258.
- 9507 [SRCAMB AS-587] V Likhovidov. Isolated from soil sample. 2004. Russian Federation: Yamalo-Nenetskiy Autonomous District, Tyumen Oblast. Field Collection Number F-993.
- Tolypocladium lignicola*** GL Barron
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 5218 KT Hodge (U0268t). Soil. Aug 1996. Uganda: Ngogo Forest Camp, Kibale National Park.
- 5615 SL Glockling (K5a). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.
- Tolypocladium microsporum*** (Jaap) Bissett
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 3431 CCFC (DAOM 191103) ← R Summerbell. Roots of *Cornus canadensis*. 6 Jun 1982. Canada: Kirkland Lake, Ontario.
- Tolypocladium nubicola*** Bissett
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 3434 CCFC (DAOM 167320) ← J Bissett (164). Soil sample A322. Rec'd 29 Oct 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, Mt. Allen, Kananaskis Valley, Alberta.
- 3435 CCFC (DAOM 167324) ← J Bissett (633). Soil sample V222. Rec'd 29 Oct 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, Mt. Allen, Kananaskis Valley, Alberta.
- Tolypocladium parasiticum*** GL Barron
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 3436 CCFC (DAOM 184880) ← GL Barron. Bdelloid rotifers in farm soil. Rec'd 29 Oct 1991. Canada: Guelph, Ontario.
- Tolypocladium tundrense*** Bissett
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 3399 CCFC (DAOM 167133) ← P Widden (M-106). Raised beech soil. Rec'd 1 Oct 1991. Canada: Devon Island, Northwest Territories.
- 3400 CCFC (DAOM 167134) ← P Widden (M-107). Soil. Rec'd 1 Oct 1991. Canada: sedge meadow, Devon Island, Northwest Territories.

3401 CCFC (DAOM 191334) ← P Widden (LP-235).
Festuca grasslands, moorland soil, A1 horizon. Rec'd
1 Oct 1991. United Kingdom: elev. 2450 ft, Pennines
(Moorhouse), England.

***Torrubiella* sp.**

[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7088 KT Hodge (PR72). 9 Jul 2002. USA: Bosque del
Pueblo, Adjuntas, Puerto Rico.
- 7223 [SRCAMB B-39] V Likhovidov ← BA Borisov. Adult,
[Araneida]. Sep 2001. Russian Federation: Caucasus
region, Mostovskiy District, Krasnodarsky Krai. Field
Collection Number F-309.
- 7673 [IMI 331565] P Chaverri ← HC Evans (I86-174).
1986. Kenya.
- 7701 P Chaverri (PC 385). 30 Nov 2003. Costa Rica:
Rincon de la Vieja National Park, Las Pailas, trail
to the waterfalls, Guanacaste Conservation Area,
Guanacaste.
- 7708 P Chaverri (PC 468). 5 Jan 2004.

Torrubiella homopterorum Humber & Rombach (sp.
nov., unpubl.)

[Sordariomycetes: Hypocreales]
Cordycipitaceae

2045 MC Rombach (161085-11) ← SB Ahn (E1-22).
Nilaparvata lugens [Hemiptera: Delphacidae]. 16 Oct
1985. Republic of Korea: Gun-Wandi.

Torrubiella piperis Bischoff & White

[Sordariomycetes: Hypocreales]
Cordycipitaceae

7232 [CBS 116719] JF Bischoff. [Hemiptera: Coccoidea]
on *Piper carrilloanum* C. DC. Aug 2003. Panama:
Lutz Creek, Barro Colorado Island. CULTURE
EX TYPE; teleomorph of *Lecanicillium muscarium*
(Petch) Zare & W. Gams.

Torrubiella ratticaudata Rombach & Humber

[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 1915 MC Rombach (11(ascosp.)). *Euophrys ?trivittata*
[Araneida: Salticidae] on cacao. Apr 1985. Solomon
Islands: nr. Metapona, Guadalcanal.
- 1916 MC Rombach (9(ext.myc.)). *Euophrys ?trivittata*
[Araneida: Salticidae] on cacao. Apr 1985. Solomon
Islands: nr. Metapona, Guadalcanal.

***Torrubiella(?)* sp.**

[Sordariomycetes: Hypocreales]
Cordycipitaceae

7658 [IMI 362298] P Chaverri ← HC Evans (I92-788).
1992. Madagascar.

Triacutus subcuticularis G.L. Barron & Tzean

10260 CG Wilson (Lh8). *Adineta* sp. [Bdelloida: Adinetidae]
occurring naturally on an elevated sprinkle plate.
22 Oct 2009. USA: Neimi Road, Cornell Research
Ponds facility, Dryden, New York. Plate exposed to
wind-deposited debris between 17 September 2009
and 22 October 2009.

***Trichoderma* sp.**

[Sordariomycetes: Hypocreales]
Hypocreaceae

- 807 RA Daoust (Ek8-4). *Empoasca kraemeri* [Hemiptera:
Cicadellidae]. Acc'd 9 Oct 1986. Brazil.
- 1361 S Balazy (1599a). Rec'd 19 May 1984. Poland.
- 2160 BN Muthappa (PNG 12720). *Anoploleptis longipes*
[Hymenoptera: Formicidae]. Rec'd 12 May 1986.
Papua New Guinea.
- 2161 BN Muthappa (PNG 12717). *Anoploleptis longipes*
[Hymenoptera: Formicidae]. Rec'd 12 May 1986.
Papua New Guinea.
- 3084 J Peña ← H Glenn. *Unaspis citri* [Hemiptera: Di-
aspidae] on *Citrus aurantifolia*. May 1990. USA:
Homestead, Florida.
- 5730 TJ Poprawski. *Elasmopalpus lignosellus* [Lepidop-
tera: Pyralidae] in *Saccharum officinarum*. Apr
1998. USA: Weslaco, Texas.
- 8470 WC Luz (eco 40). Isolated from soil sample. Rec'd
7 Jun 2007. **RESTRICTED ACCESS:** *consult*
Curator.
- 8634 CA Fuller. [Isoptera: Termitidae]. Acc'd 29 Oct 2007.
- 9938 [ERL 1785] S Gouli and V Gouli (Thr.-09-17).
[Thysanoptera: Thripidae]. 2010. USA: Vermont.

Trichoderma lignorum (Tode) Harz

[Sordariomycetes: Hypocreales]
Hypocreaceae

5176 S Gouli (GP-14). *Adelges tsugae* [Hemiptera: Adel-
gidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt.
Tom, Holyoke, Massachusetts.

Trichoderma viride(?) Persoon

[Sordariomycetes: Hypocreales]
Hypocreaceae

6344 [CIAT 016] Adult, *Aeneolamia varia* [Hemiptera:
Cercopidae]. 4 May 1999. Colombia: CIAT Farm,
Palmira, Valle.

***Trichothecium* sp.**

[Sordariomycetes: Hypocreales]
Hypocreaceae

653 DW Roberts (100881-2). *Nephotettix bipunctata*
cincticeps [Hemiptera: Cicadellidae]. 8 Oct 1981. PR
China: Chansha, Hunan.

- 1217 TJ Poprawski (050A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1223 TJ Poprawski (060A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.

Trichothecium roseum Link:Fries

[Sordariomycetes: Hypocreales]

Hypocreaceae

- 1212 TJ Poprawski (042). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1226 TJ Poprawski (001A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.
- 1308 TJ Poprawski (044). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Acquapendente, Lazio.
- 1639 TJ Poprawski (0136). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1642 TJ Poprawski (0139). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 2055 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.
- 3708 LA Lacey (035A) ← A Kirk. Adult, [Hemiptera: Aleyrodidae]. 11 Dec 1991. Spain.

***Tripospermum* sp.**

[Dothideomycetes: Capnodiales]

Capnodiaceae

- 9363 [ERL 1655] S Gouli and V Gouli (HWA-G-5). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

Tritirachium isariae (Petch) de Hoog

[Hyphomycetes]

- 1425 S Balazy (1585a). Rec'd 19 May 1984. Location not specified.

***Verticillium* sp.**

[Sordariomycetes: Hypocreales]

These species are being reclassified to the appropriate genus and species as they are being re-examined after the phylogenetically based reclassification of *Verticillium* Section *Prostrata*.

- 3547 M Brownbridge (R-6). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Laggis' sugar maple stand, Caledonia County, Vermont.
- 3550 M Brownbridge (R-12). White mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Goodhouse's sugar maple stand, Windsor County, Vermont.

- 3551 M Brownbridge (R-13). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Rowe's sugar maple stand, Caledonia County, Vermont.

- 3552 M Brownbridge (R-14). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Preseau's sugar maple stand, Addison County, Vermont.

- 3556 M Brownbridge (R-22). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Washington County, Vermont.

- 3561 M Brownbridge (R-29). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.

- 4074 C Rosenthal (MP1). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.

- 4194 LA Lacey (94030). [Hemiptera: Aphididae] Tamarillo Tree. 25 Mar 1994. Malaysia: Cameron Highlands.

- 4195 LA Lacey (94031). [Hemiptera: Aphididae] Tamarillo Tree. 25 Mar 1994. Malaysia: Caurcuan Highlands, Cameron Highlands.

- 4203 LA Lacey (94032). [Hemiptera: Aphididae] on orchid. 25 Mar 1994. Malaysia: Brichang.

- 4398 LA Lacey (94095). [Hemiptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

- 4399 LA Lacey (94096). [Hemiptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

- 4402 LA Lacey (94062). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

- 5713 E Zhioua (1S DCE). Acc'd 4 Jul 1998.

- 6250 [RCEF 0221] Phylum Arthropoda, Class Arachnida. 8 Aug 1996. PR China: Guizhou Province.

- 6480 BL Parker (SPT-KR-389/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 12 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°39.257' E 073°54.353'. **RESTRICTED ACCESS:**

contact Curator

- 6484 BL Parker (SPT-KZ-412). Adult, [Coleoptera: Dermestidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:**

contact Curator

- 6485 BL Parker (SPT-KZ-413). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:**

contact Curator

- 6486 BL Parker (SPT-KR-415/2). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'. **RESTRICTED ACCESS:**

contact Curator

6498 BL Parker (SPT-KZ-445). Adult, [Hemiptera: Rhopalidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°14.205' E 077°42.544'. **RESTRICTED ACCESS:**

contact Curator

6500 BL Parker (SPT-KZ-457). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°09.121' E 076°35.771'. **RESTRICTED ACCESS:**

contact Curator

6501 BL Parker (SPT-KZ-458). Adult, [Coleoptera: Carabidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**

contact Curator

6580 G Sewify (2). *Icerya purchasi* [Hemiptera: Margarodidae]. May 2000. Egypt.

Verticillium cinnamomeum Petch

[Sordariomycetes: Hypocreales]

2399 MC Rombach (131286-1). 13 Dec 1986. Indonesia.

Verticillium epiphytum Hansford

[Sordariomycetes: Hypocreales]

5250 [ATCC 22593; CBS 384.81; IMI 071 315] *Hemileia vastatrix* [Uredinales]. Acc'd 19 Aug 1996. Thailand.

Verticillium insectorum (Petch) W Gams

[Sordariomycetes: Hypocreales]

3715 RA LeBrun ← J Hanula (C-1). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Summer 1991. Location not specified.

Verticillium lecanii (Zimmerman) Viégas

[Sordariomycetes: Hypocreales]

Cordycipitaceae. A species complex now reclassified in *Lecanicillium* and distributed among three species. Isolates remaining here are being transferred to the appropriate species as they are re-examined.

991 J Aoki (Har. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture.

1333 S Balazy (1453c). Rec'd 19 May 1984. Poland.

1357 S Balazy (1595d). Rec'd 19 May 1984. Poland.

2859 MG Feng (SA8701). *Sitobion avenae* [Hemiptera: Aphididae] on winter wheat. 12 Jun 1987. USA: Hwy 95 & Klahr Rd., Canyon County, Idaho.

2916 CBS (537.81) ← HC Evans. [Hemiptera: Coccidae]. 1981. Ecuador: Galapagos Islands.

3741 D Lonsdale (AH2). *Cryptococcus fagisuga* [Hemiptera: Eriococcidae] beech tree (*Fagus sylvatica*). Rec'd 6 Jul 1992. United Kingdom: England.

3742 D Lonsdale (AH3). *Cryptococcus fagisuga* [Hemiptera: Eriococcidae] beech tree (*Fagus sylvatica*). Rec'd 6 Jul 1992. United Kingdom: England.

3743 D Lonsdale (AH4). *Cryptococcus fagisuga* [Hemiptera: Eriococcidae] beech tree (*Fagus sylvatica*). Rec'd 6 Jul 1992. United Kingdom: England.

3770 DW Roberts ← Wang Li Ying. Rec'd 25 Aug 1992. Location not specified.

3840 S Meyer ← ATCC (58909). 30 Dec 1992. Laboratory manipulation.

3862 [ARSEF 2859] N Underwood (ARSEF2859). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 28 Jan 1993. Laboratory manipulation.

3881 [ARSEF 3836] N Underwood (U3836). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 16 Feb 1993. Laboratory manipulation: Reisolated from bioassay.

3902 [ARSEF 3838] N Underwood (U3838). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3903 [ARSEF 3000] N Underwood (U3000). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3904 [ARSEF 3840] N Underwood (U3840). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3909 [ARSEF 2858] N Underwood (U2858). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 2 Apr 1993. Laboratory manipulation: Reisolated from bioassay.

4022 T Steenberg (216) ← A Kirkeby-Thomse. *Agelastica alni* [Coleoptera: Chrysomelidae] on *Alnus* spp. Aug 1990. Denmark.

4025 T Steenberg (227) ← A Kirkeby-Thomse. *Phytokermes hemichryphus* [Hemiptera: Coccidae] Red spruce. Nov 1990. Denmark: Grib Skov, Zealand.

4047 T Steenberg (295). *Aphodius fimetarius* [Coleoptera: Scarabaeidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4048 T Steenberg (297). Larva, [Coleoptera: Cantharidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4061 T Steenberg (VT3). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.

4064 T Steenberg (BT3). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4065 T Steenberg (BT4). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4067 T Steenberg (BT6). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4069 T Steenberg (BT11). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4070 T Steenberg (BT12). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

- 4071 T Steenberg (BT13). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4072 T Steenberg (BT14). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4073 T Steenberg (VL9) ← C Rosenthal. [Hemiptera: Aphididae]. 1989. Denmark.
- 4075 T Steenberg (MP2). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4076 T Steenberg (MP3). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4077 T Steenberg (MP5). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4079 T Steenberg (MP11). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4416 LA Lacey (94058). [Hemiptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.
- 4417 LA Lacey (94059). [Hemiptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.
- 4418 LA Lacey (94060). [Hemiptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.
- 4419 LA Lacey (94028). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4420 LA Lacey (94047). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4421 LA Lacey (94048). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4422 LA Lacey (94049). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4423 LA Lacey (94050). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4453 LA Lacey (94151). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia.
- 4454 LA Lacey (94052). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4455 LA Lacey (94054). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4456 LA Lacey (94055). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4457 LA Lacey (94094). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 5127 [Horticulture Research International 16.75] D Chandler (HRI 16.75). barley mildew. 1975. Location not specified.
- 5129 [Horticulture Research International 26.79] D Chandler (HRI 26.79). Host not specified wheat. 1979. Location not specified. Suspected mycoparasite.
- 5130 [Horticulture Research International 336.92] D Chandler (HRI 336.92). *Myzus persicae* [Hemiptera: Aphididae]. 1992. United Kingdom: insect rearing unit, Wellesbourne, England.
- 5131 [Horticulture Research International 339.92] D Chandler (HRI 339.92). Cauliflower, *Brevicoryne brassicae* [Hemiptera: Aphididae]. 1992. United Kingdom: greenhouse, Wellesbourne, England.
- 5132 [Horticulture Research International 343.92] D Chandler (HRI 343.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae] soil. 1992. United Kingdom: Wellesbourne, England.
- 5133 [Horticulture Research International 382.93] D Chandler (HRI 382.93). *Aleyrodes proletella* brassicas, field grown. 1993. United Kingdom: Wellesbourne, England.
- 5153 A Braun (Bogor). *Coccus viridis* [Hemiptera: Coccidae] Coffee. 1996. Indonesia: Kebun Raya Bogor (Bogor Botanical Garden), Bogor, Jawa Barat, Java.
- 5166 S Gouli (GP-49). [Hemiptera: Aphididae]. 31 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5167 S Gouli (GA-80). [Araneida: Araneae]. 21 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5168 S Gouli (GA-104). *Formica* sp. [Hymenoptera: Formicidae]. 1 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5221 [ATCC 58712] *Puccinia striiformis* [Uredinales: Pucciniaceae]. Germany.
- 5491 M Brownbridge (FR20). Rec'd 16 May 1997. France: Bellegarde, Gard.
- 5709 T Steenberg (TT4). *Thrips tabaci* [Thysanoptera: Thripidae]. Rec'd 22 Apr 1998. Denmark.
- 5710 E Zhioua (1S PCW). Acc'd 20 May 1998.
- 5771 BL Parker (AT 135). *Adelges tsugae* [Hemiptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.
- 5781 BL Parker (HWA 24). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5783 BL Parker (HWA 111/6). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5786 [ERL 324] S Gouli (HWA-115/2) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5789 BL Parker (HWA 143/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5793 BL Parker (HWA 236). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5809 B Broadbent (BB002). [Hemiptera: Aphididae] on *Achillea millefolium*. 14 Jul 1996. Canada: Kingsville, Ontario.
- 5820 BL Parker (AT 071). *Adelges tsugae* [Hemiptera: Adelgidae]. 17 Oct 1997. USA: Mt. Tom, Holyoke, Massachusetts.

- 5821 BL Parker (AT 072). *Adelges tsugae* [Hemiptera: Adelgidae]. 3 Jul 1997. USA: Crabtree Falls, Virginia.
- 5824 BL Parker (AT 132). *Adelges tsugae* [Hemiptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.
- 5849 T Steenberg (SSL 82). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Myzus persicae* [Homoptera: Aphididae].
- 5852 T Steenberg (446). *Sminthurus viridis* [Collembola: Sminthuridae]. Summer 1994. Denmark: Aagerup, Zealand.
- 5854 T Steenberg (SSL 449). *Dreyfusia normanniana* [Hemiptera: Adelgidae] on *Abies nordmanniana*. Rec'd 26 Aug 1998. Denmark: Zealand.
- 5856 T Steenberg (SSL 607). Adult, *Carcinops pumilio* [Coleoptera: Histeridae]. Feb 1997. Denmark: Broiler house, Kværns, Jutland.
- 5859 T Steenberg (SSL 615). Adult, *Musca domestica* [Diptera: Muscidae]. Mar 1997. Denmark: Stable, Helsingør, Zealand.
- 6025 BL Parker ← V Gouli (SPT-R-215). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6045 BL Parker (AT-C-198). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1999. PR China: Site 4, Tree Number 4, Sichuan Province.
- 6046 BL Parker (AT-C-291). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 4, Tree Number 15, Sichuan Province.
- 6047 BL Parker (AT-C-292). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 10, Sichuan Province.
- 6050 BL Parker (AT-C-295). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.
- 6068 BL Parker (SPT-U-271). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6085 BL Parker (SPT-2-309/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6144 TJ Poprawski. *Toxoptera citricida* [Hemiptera: Aphididae]. 27 Jan 1999. Dominican Republic: Sabana Grande.
- 6145 TJ Poprawski. *Toxoptera citricida* [Hemiptera: Aphididae]. 27 Jan 1999. Dominican Republic: Juan Jimenez.
- 6287 S Farrokhi (PPDRI 1). *Pulvinaria aurantii* [Hemiptera: Coccidae]. Sep 1994. Iran: Sari, Mazandaran.
- 6290 S Farrokhi (PPDRI 5). [Hemiptera] Mixed population of Coccidae and Diaspididae species. Oct 1997. Iran: Tonekabon, Mazandaran.
- 6291 S Farrokhi (PPDRI 6). *Pulvinaria aurantii* [Hemiptera: Coccidae]. Sep 1998. Iran: Sari, Mazandaran.
- 6350 [RCEF 0221] Phylum Arthropoda, Class Arachnida. 8 Aug 1996. PR China: Guizhou Province.
- 6479 BL Parker (SPT-KZ-377). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:**
contact Curator
- 6487 BL Parker (SPT-KZ-417). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
contact Curator
- 6540 D Chandler (HRI 2.72). *Brachycaudus helichrysi* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6541 D Chandler (HRI 3.72). *Aphis gossypii* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6542 D Chandler (HRI 5.72). *Macrosiphoniella samborni* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6543 D Chandler (HRI 6.72). *Myzus persicae* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6544 D Chandler (HRI 18.78). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6545 D Chandler (HRI 33.79). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6547 D Chandler (HRI 40.81). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6548 D Chandler (HRI 53.81). [Thysanoptera: Thripidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6554 D Chandler (HRI 349.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6561 D Chandler (HRI 399.93). Adult, *Scatella stagnalis* [Diptera: Ephydriidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6606 JL Hatting. *Diuraphis noxia* [Hemiptera: Aphididae]. 19 Jun 2000. Hungary: greenhouse, Budapest, Budapest.
- 6651 [EMBRAPA/CPAC] DEN Rangel (CPAC H2). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 25 Oct 2000. French Guiana.

Verticillium pseudohepiterigenum HC Evans & Y Jun
[Sordariomycetes: Hypocreales]

5687 [IMI 374402] HC Evans (HE96-1013). *Bambusaspis* sp. [Hemiptera: Coccoidea: Asterolecaniidae] on bamboo leaf. Fall 1996. Trinidad and Tobago: Parrylands, Siparia, Trinidad. Culture Ex Paratype.

Zoophthora sp.

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae.

- 3486 J Eilenberg (KVL 79). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.
- 3487 J Eilenberg (KVL 80). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.
- 3488 J Eilenberg (KVL 81). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.
- 7454 [CEP 127] C López Lastra. [Hemiptera: Aphididae] on *Brassica oleracea* L., cabbage crop. 20 Apr 2004. Argentina: Parque Pereyra, Berazategui, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**

Zoophthora anglica (Petch) Ben-Ze'ev & RG Kenneth

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 396 [ARSEF ?1377] S Keller (48). *Agriotes sputator* [Coleoptera: Elateridae]. 4 May 1977. Switzerland.
- 916 S Keller (411). *Notostira elongata* [Hemiptera: Miridae]. 25 Aug 1982. Switzerland.
- 926 S Keller (412). *Notostira elongata* [Hemiptera: Miridae]. 25 Aug 1982. Switzerland.
- 1739 N Wilding (85). *Trechus quadristriatus* [Coleoptera: Carabidae]. 5 Sep 1978. United Kingdom: Rothamsted Experimental Station, Hertfordshire, England.
- 2505 J Eilenberg (KVL 12). *Agriotes sputator* [Coleoptera: Elateridae]. 2 Jun 1986. Denmark: Brogaard, Fårvejele, Vestsjælland.

Zoophthora aphidis (Hoffman in Fresenius) Humber &

Ben-Ze'ev

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 425 [ARSEF 467 (lost), 643 (lost); CSIRO EM740] S Keller (84). *Anoecia corni* [Hemiptera: Aphididae]. Rec'd 6 Feb 1980. Switzerland.

Zoophthora lanceolata (S Keller) Humber & Ben-Ze'ev

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 426 [ARSEF ?468] S Keller (95). [Diptera: Nematocera]. Rec'd 6 Feb 1980. Switzerland: Rickenbach.
- 468 [ARSEF ?426] S Keller (95) ← G Remaudière. [Diptera: Brachycera]. Oct 1977. France.
- 469 S Keller (115). [Diptera: Nematocera]. Rec'd 27 May 1980. Switzerland: Rickenbach.

Zoophthora occidentalis (Thaxter) Humber & Ben-

Ze'ev

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 207 [CSIRO EM680] RT Mietkiewski. *Macrosiphum euphorbiae* [Hemiptera: Aphididae] on potato. 20 Sep 1977. USA: Rogers Farm, Stillwater, Maine.
- 2841 K Hural (FR-17). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 3027 H Firstencel. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 26 Jun 1990. USA: Freese Rd., Ithaca, New York.
- 3028 H Firstencel. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 11 Jul 1990. USA: Stevenson Rd., Ithaca, New York.
- 3029 H Firstencel. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 25 Jun 1990. USA: P-field, Aurora, New York.
- 3071 K Hural. *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 18 Sep 1990. USA: Hoffman field # 6G, Catherine, New York.
- 3073 K Hural. *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 18 Sep 1990. USA: Hoffman field # 7E, Catherine, New York.

Zoophthora phalloides (Batko) Humber, Ben-Ze'ev &

RG Kenneth in Humber & Ben-Ze'ev

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 352 [ARSEF 1869 (lost)] CSIRO (EM548) or (EM681) ← N Wilding (27). *Myzus rannaculinum* [Hemiptera: Aphididae]. 12 May 1978. France: Rennes, Ille-et-Vilaine.
- 2281 IL Sivcev (52/86). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

Zoophthora phytonomi (Arthur) Humber, Ben-Ze'ev

& RG Kenneth in Humber & Ben-Ze'ev

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 113 [ARSEF 82 (lost); ATCC 34292; FPMI 951] RG Kenneth (3085) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae] on alfalfa. Apr 1976. Israel: Sedé Eliyahu.
- 191 RG Kenneth (3095) or (E.p. 2) ← I Ben-Ze'ev. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Apr 1976. Israel: Sedé Eliyahu.
- 192 RG Kenneth (3133) ← I Ben-Ze'ev. Larva, *Hypera variabilis* [Coleoptera: Curculionidae] on alfalfa. 2 Mar 1977. Israel: Sedé Eliyahu.
- 202 [RG Kenneth 3178] AA Muka ← JP Kramer. *Hypera punctata* [Coleoptera: Curculionidae]. Jul 1977. USA: Ithaca, New York.

- 2188 RJ Dysart. Larva, *Hypera punctata* [Coleoptera: Curculionidae]. 29 Apr 1986. USA: Farmington, Delaware.
- 3342 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: Eddyville, Illinois.
- 3343 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: LaSalle County, Illinois.
- 3344 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: Albion, Illinois.
- Zoophthora radicans** (Brefeld) Batko
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Major synonyms: *Entomophthora spherosperma* Fresenius, *Entomophthora radicans* Brefeld, *Erynia radicans* (Brefeld) Humber, Ben-Ze'ev & Kenneth in Humber & Ben-Ze'ev.
-
- 13 [FPMI 696] RS Soper ← CC Thompson. *Neodiprion tsugae* [Hymenoptera: Diprionidae]. Aug 1971. USA: Prince of Wales Island, Alaska.
- 21 RS Soper ← DE Leonard (BBIV-20). Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 1973. USA: Maine.
- 44 [FPMI 697; RG Kenneth 3045] JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: Oxbow-Masardis, Maine.
- 45 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: Oxbow-Masardis, Maine.
- 50 [FPMI 698] JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: 0.1 mi N of Oxbow Rd. on Rt. 11, Oxbow-Masardis, Maine.
- 52 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 19 Jun 1975. USA: 1.5 mi E of bridge at S. Bancroft, Bancroft Township, Maine.
- 68 [FPMI 688; IPLB 624] G Remaudière. *Tortrix viridana* [Lepidoptera: Tortricidae]. 22 May 1975. France: Forêt de Dourdan, Essonne.
- 72 [CSIRO EM532; FPMI 487] RG Kenneth (3046) ← ATCC (24493) ← DM MacLeod. *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 7 Aug 1982. Canada: Ming's Bight, Newfoundland.
- 75 [FPMI 700] RG Kenneth (3060) or (E.s. 28). *Brachycaudus amygdalinus* [Hemiptera: Aphididae] on *Polygonum equisetiforme* [Polygonaceae]. 23 Jan 1976. Israel: Rehovot, Central District.
- 88 [CSIRO EM569] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1976. USA: nr. Selden Road, Haynesville Woods, Maine.
- 103 [CSIRO EM518, EM578, EM724; FPMI 701] RG Kenneth (3100) or (E.s. 31) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.
- 104 [CSIRO EM553, EM725] RG Kenneth (3101) or (E.s. 32) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.
- 105 [CSIRO EM726] RG Kenneth (3102) or (E.s. 33) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 106 [CSIRO EM727] RG Kenneth (3103) or (E.s. 34) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 107 [CSIRO EM554] RG Kenneth (3104) or (E.s. 35) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 108 [CSIRO EM728] RG Kenneth (3105) or (E.s. 36) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 109 [CSIRO EM729] RG Kenneth (3106) or (E.s. 37) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 110 [CSIRO EM555] RG Kenneth (3107) or (E.s. 38) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 111 [CSIRO EM556, EM730] RG Kenneth (3109) or (E.s. 40) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 112 [CSIRO EM561] RG Kenneth (3110) or (E.s. 41) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 114 [CSIRO EM517] RG Kenneth (3096) or (E.s. 29) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.
- 126 [FPMI 702; IPLB 27] JP Latgé and G Remaudière (625). *Psyllida etrioza* [Hemiptera: Psyllidae] on *Prunus pennsylvanicus* [Rosaceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.
- 139 [CSIRO EM731] RG Kenneth (3097) or (E.s. 30) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 20 Nov 1978. Israel: Sedé Eliyahu.
- 141 [FPMI 687] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Map reference: T4R10, Maine.
- 142 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 20 Jun 1977. USA: Perham, Maine.
- 143 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Perham, Maine.
- 144 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Perham, Maine.
- 145 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 23 Jun 1977. USA: Carroll, Maine.
- 146 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Map reference: T6R7, Shin Pond, Maine.

- 161 JD Vandenberg. Single spore reisolate of ARSEF 88. Jul 1977. Laboratory manipulation.
- 162 JD Vandenberg. Single spore reisolate of ARSEF 88. Jul 1977. Laboratory manipulation.
- 163 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 1 Jul 1977. USA: forest-upper, Perham, Maine.
- 183 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 184 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 185 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 186 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 187 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 188 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 189 [ATCC 32797; FPMI 703] RG Kenneth (2884) or (3044) ← CBS (216.66) ← M Gustafsson. Phylum Arthropoda, Class Insecta. Rec'd 1977. Sweden.
- 221 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Presque Isle, Maine.
- 223 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Springfield, Maine.
- 224 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Springfield, Maine.
- 225 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Macwahoc, Maine.
- 226 S Ignatowicz. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Macwahoc, Maine.
- 227 S Ignatowicz. Pupa, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 3 Jul 1978. USA: Mamarda, Maine.
- 228 S Ignatowicz. Pupa, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 3 Jul 1978. USA: Mamarda, Maine.
- 229 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 230 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 231 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 232 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 233 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 234 S Ignatowicz. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 30 Jun 1978. USA: Oak Hill, Maine.
- 235 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 30 Jun 1978. USA: Oak Hill, Maine.
- 237 [FPMI 704] P Dodge. *Therioaphis maculata* [Hemiptera: Aphididae]. Aug 1978. USA: Ithaca, New York.
- 238 [CSIRO EM560] P Dodge. *Therioaphis maculata* [Hemiptera: Aphididae]. Aug 1978. USA: Ithaca, New York.
- 239 P Dodge. *Therioaphis maculata* [Hemiptera: Aphididae]. Aug 1978. USA: Ithaca, New York.
- 359 [ARSEF 370, 823; CSIRO EM539; IPLB 844] RJ Milner ← ARSEF (103). *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 8 Jun 1979. Australia: Armidale, New South Wales. Reisolated from field release at Armidale; forms protoplasts.
- 370 [ARSEF 359, 823; CSIRO EM539; IPLB 844] RJ Milner ← ARSEF (103). *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 27 Jul 1979. Australia: Armidale, New South Wales. Reisolated from field release at Armidale.
- 379 [IPLB 1118] CSIRO (EM540) ← JP Latgé. *Therioaphis maculata* [Hemiptera: Aphididae]. 9 Nov 1978. Mexico.
- 388 S Keller (214). [Diptera]. Rec'd 3 Oct 1979. Switzerland: Zürich.
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- 2713 [ARSEF 3164] G Mercadier and TJ Poprawski (8823A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2714 TJ Poprawski (88129). Reisolate of ARSEF 2703 passed through *Syrphus* sp. [Diptera: Syrphidae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2716 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on snap bean. 1987. USA: Illinois Natural History Survey plot, Champaign, Illinois.
- 2717 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on soybean. 1987. USA: Union field, McHenry, Illinois.

- 2718 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on bean. 1987. USA: Helmar field, Kendall, Illinois.
- 2719 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on soybean. 1987. USA: East Lynn field, Vermillion, Illinois.
- 2720 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae]. 1985. USA: Champaign, Illinois.
- 2732 GW Riethmacher (EB2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 6 Apr 1989. Philippines: La Trinidad, Benguet.
- 2811 MG Feng (MD8901). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 7 Jul 1989. USA: Parma, Idaho.
- 2893 GW Riethmacher (E2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 Apr 1989. Philippines: La Trinidad, Benguet.
- 2977 D Landis (1A). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 23 Aug 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.
- 2978 D Landis (1B). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 23 Apr 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.
- 2979 D Landis (1C). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 23 Aug 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.
- 2980 D Landis (2A). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 24 Aug 1989. USA: Hudson Farm, Allegan County, Michigan.
- 2994 LG Leite and SP Wraight (C-1 Topo SP-3). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.
- 2995 LG Leite and SP Wraight (C-1 Topo SP-2). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.
- 2996 LG Leite and SP Wraight (C-2 Test SP-5). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.
- 3002 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 10, field # 1, Capão Bonito, São Paulo.
- 3003 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 4, field # 1, Capão Bonito, São Paulo.
- 3004 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 2, Capão Bonito, São Paulo.
- 3005 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Apr 1990. Brazil: treatment plot # 1, field # 1, Capão Bonito, São Paulo.
- 3006 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 10, field # 1, Capão Bonito, São Paulo.
- 3007 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 1, Capão Bonito, São Paulo.
- 3008 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 2, Capão Bonito, São Paulo.
- 3009 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 30 Apr 1990. Brazil: treatment plot # 1, field # 1, Capão Bonito, São Paulo.
- 3010 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. Apr 1990. Brazil: treatment plot # 3, field # 1, Capão Bonito, São Paulo.
- 3011 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 30 Apr 1990. Brazil: control plot # 1, field # 1, Capão Bonito, São Paulo.
- 3012 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 7 May 1990. Brazil: treatment plot # 3, field # 1, Capão Bonito, São Paulo.
- 3013 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 1, field # 1, Capão Bonito, São Paulo.
- 3021 H Firstencel (Yugo-1). Rec'd 21 Dec 1989. Location not specified. The Yugo mix, created by H. Firstencel, is a combination of the following 7 isolates: 2706, 2246, 2288, 2712, 2240, 2283, 2243.
- 3022 H Firstencel (Yugo-2). Rec'd 21 Dec 1989. Location not specified. The Yugo mix, created by H. Firstencel, is a combination of the following 7 isolates: 2706, 2246, 2288, 2712, 2240, 2283, 2243.
- 3023 H Firstencel (Brazil-1). Rec'd 21 Dec 1989. Location not specified. The Brazil mix, created by H. Firstencel, is a combination of the following 7 isolates: 1228, 1239, 1493, 1928, 1231, 1504, 1581.
- 3024 H Firstencel (Brazil-2). Rec'd 21 Dec 1989. Location not specified. The Brazil mix, created by H. Firstencel, is a combination of the following 7 isolates: 1228, 1239, 1493, 1928, 1231, 1504, 1581.
- 3026 DW Roberts ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Apr 1990. Brazil.
- 3104 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field, strip # 1, Catherine, New York.
- 3105 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field, strip # 1, Catherine, New York.
- 3114 [ARSEF 2709] G Mercadier and TJ Poprawski (8818A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.
- 3115 G Mercadier and TJ Poprawski (8819A). *Typhlocyba* sp. [Hemiptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.
- 3116 [ARSEF 2703] G Mercadier and TJ Poprawski (8820A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Kovin.
- 3117 [ARSEF ?2702] TJ Poprawski (8824B). Reisolate of ARSEF 3150 passed through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation.

- 3118 TJ Poprawski (8825B). Reisolate of ARSEF 3149 passed through *Musca autumnalis* [Diptera: Muscidae]. Rec'd 27 Nov 1990. Laboratory manipulation.
- 3119 [ARSEF 2701] G Mercadier and TJ Poprawski (8826). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3149 [ARSEF 2706] G Mercadier and TJ Poprawski (8825A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 22 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3150 G Mercadier and TJ Poprawski (8824A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 22 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3151 TJ Poprawski (8819B). *Empoasca vitis* [Hemiptera: Cicadellidae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3225.
- 3159 G Mercadier and TJ Poprawski (8812B). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3160 G Mercadier and TJ Poprawski (8812C). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3161 [ARSEF ?2696] TJ Poprawski (8812D). Rec'd 11 Dec 1990. Laboratory manipulation.
- 3162 TJ Poprawski (8817A) ← IL Sivcev. *Empoasca vitis* [Hemiptera: Cicadellidae]. 23 Sep 1988. Location not specified.
- 3163 [ARSEF ?2708] TJ Poprawski (8817B). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 11 Dec 1990. Laboratory manipulation. Reisolate of ARSEF 3162.
- 3164 [ARSEF 2713] G Mercadier and TJ Poprawski (8823A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3165 G Mercadier and TJ Poprawski (8830A). *Empoasca vitis* [Hemiptera: Cicadellidae] on cabbage. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3170 G Mercadier and TJ Poprawski (8842A). *Typhlocyba* sp. [Hemiptera: Cicadellidae] on *Abutilon* sp. 20 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3171 [ARSEF 2700] G Mercadier and TJ Poprawski (8843A). *Typhlocyba* sp. [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3172 TJ Poprawski (8843B). *Empoasca vitis* [Hemiptera: Cicadellidae]. Rec'd 11 Dec 1990. Laboratory manipulation. Reisolate of ARSEF 3171.
- 3204 GW Riethmacher (E3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 5 Apr 1989. Philippines: La Trinidad, Benguet.
- 3205 GW Riethmacher (E5). *Plutella xylostella* [Lepidoptera: Plutellidae]. 7 Apr 1989. Philippines: La Trinidad, Benguet.
- 3206 GW Riethmacher (E6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 May 1989. Philippines: La Trinidad, Benguet.
- 3213 M Wheeler (Yugo Mix Plate#1). Rec'd 27 Dec 1990. Location not specified. This culture was taken from a bubbler mixture of ARSEFs 2240, 2243, 2246, 2283, 2288, 2706, and 2712.
- 3214 M Wheeler (Yugo Mix Plate#2). Rec'd 27 Dec 1990. Location not specified. This culture was taken from a bubbler mixture of ARSEFs 2240, 2243, 2246, 2283, 2288, 2706, and 2712.
- 3217 SG Wraight and SP Wraight (Ef1590). Reisolate of ARSEF 1590 passed through *Empoasca fabae* [Homoptera: Cicadellidae]. Rec'd 22 Jan 1991. Laboratory manipulation.
- 3283 [ARSEF 3284] S Roberts (Champ90LH2To(B)). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 1990. USA: Champaign County, Illinois.
- 3284 [ARSEF 3283] S Roberts (Champ90LH2To(E)). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 1990. USA: Champaign County, Illinois.
- 3355 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. Rec'd 13 Jun 1991. Laboratory manipulation. Reisolate of 1019 after two passes through PLH.
- 3376 M Wheeler ← MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. 26 Jul 1991. USA: Game Farm Rd., Ithaca, New York.
- 3377 M Wheeler ← MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. 29 Jul 1991. USA: Game Farm Rd., Ithaca, New York.
- 3390 M Wheeler ← MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. 5 Aug 1991. USA: Game Farm Rd., Ithaca, New York.
- 3623 ATCC (32245) ← RG Kenneth (3029). *Empoasca* sp. [Hemiptera: Cicadellidae] on citrus leaf. Rec'd 11 Mar 1992. Israel: Girat, Brenner.
- 3697 MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. Rec'd Spring 1992. Laboratory manipulation.
- 3737 I Ben-Ze'ev and A Uziel. *Therioaphis trifolii* f. *maculata* [Hemiptera: Aphididae]. Aug 1985. Israel: Bet-Seham Valley.
- 4520 MH Griggs (PLH3284ows). *Empoasca fabae* [Hemiptera: Cicadellidae]. 2 Jun 1994. USA: USPSNL, Ithaca, New York. Cadavers infected with ARSEF 3284 overwintered 1993-1994 and reisolated.
- 4781 [INIA 2330] J Eilenberg (KVL 608). *Epinotia aporema* [Lepidoptera: Tortricidae]. 7 May 1994. Uruguay.
- 4782 [INIA 2553] J Eilenberg (KVL 609). *Epinotia aporema* [Lepidoptera: Tortricidae]. 13 May 1994. Uruguay.
- 4783 [INIA 228] J Eilenberg (KVL 613). *Anacamptis humilis* [Lepidoptera: Gelechiidae]. Rec'd 13 Sep 1994. Uruguay.

- 4784 [INIA 2562] J Eilenberg (KVL 610). *Epinotia aporema* [Lepidoptera: Tortricidae]. 13 May 1994. Uruguay.
- 4785 [INIA 2377] J Eilenberg (KVL 611). *Epinotia aporema* [Lepidoptera: Tortricidae]. 7 May 1994. Uruguay.
- 5814 C López Lastra. Larva, *Epinotia aporema* [Lepidoptera: Tortricidae] on *Lupinus* sp. Rec'd 28 Aug 1998. Argentina: Los Hornos, La Plata, Buenos Aires.
- 6003 SR Sánchez Peña. Larva, *Trichoplusia ni* [Lepidoptera: Noctuidae] in a broccoli plot. Nov 1998. Mexico: Universidad Agraria Antonio Narro campus, Saltillo, Coahuila.
- 6303 R Alatorre Rosas (Jav.13). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- 6313 R Alatorre Rosas (Mina.2). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- 6314 R Alatorre Rosas (Mina.2-2). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- 6315 R Alatorre Rosas (Mina.16). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.
- 6605 JL Hatting (Sample G). *Molopopterus theae* [Hemiptera: Cicadellidae]. 4 Aug 1999. South Africa: Site grid reference S 32° 00' 30.4" E 18° 55' 15.6" , Clanwilliam, Cape Province.
- 6917 C López Lastra (1). Larva, *Tuta absoluta* [Lepidoptera: Gelechiidae] on *Lycopersicon esculentum* Miller, tomato in covered greenhouses. 12 Jun 2001. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7208 [CEP 052] C López Lastra. *Aphis fabae* [Hemiptera: Aphididae] on *Solanum melongena* L., eggplant. 26 Mar 2003. Argentina: Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7455 [CEP 130] C López Lastra. [Hemiptera: Aphididae] on *Brassica oleracea* L., cabbage crop. 30 Mar 2004. Argentina: Arana, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7788 [CEP 172] C López Lastra ← AC Scorsetti. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 12 Apr 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7789 [CEP 173] C López Lastra ← AC Scorsetti. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 8 Sep 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 8466 AV Toledo (ZR062). Adult, [Diptera]. 13 May 2007. Argentina: La Plata, Buenos Aires.
- 11859 C López Lastra and R Manfrino. *Acyrtosiphon pisum* [Hemiptera: Aphididae] on *Medicago sativa* L., lucerne. 10 Jun 2012. Argentina: Monte Vera, Santa Fe.
- 11860 C López Lastra and R Manfrino. *Nasonovia ribisnigri* [Hemiptera: Aphididae] on *Lactuca sativa* L., lettuce. 31 Jul 2012. Argentina: Pereyra, Buenos Aires.
- 11861 C López Lastra and R Manfrino. *Brevicoryne brassicae* [Hemiptera: Aphididae] on *Brassica oleracea* L., broccoli. 27 May 2012. Argentina: Monte Vera, Santa Fe.

Unidentified / Hyphomycetes

[Acari]
Unknown species 7374 10281

[Araneida]
Unknown species 7345

[Coleoptera]
Unknown species 8641

[Coleoptera: Buprestidae]
Agrilus planipennis 8155 8179 8183 8184

[Coleoptera: Coccinellidae]
Unknown species 5677

[Coleoptera: Curculionidae]
Unknown species 2225 5695

[Coleoptera: Scarabaeidae]
Cochliotus melolonthoides 11666
Popillia japonica 5223 5224 5225 5226 5227
Rhizotrogus majalis 2999

[Diptera]
Unknown species 7078 10171

[Hemiptera]
Unknown species 7392 7806

[Hemiptera: Adelgidae]
Adelges tsugae 9364 9366 12086 12087 12088 12090

[Hemiptera: Aleyrodidae]
Unknown species 9539

[Hemiptera: Aphididae]
Unknown species 6503
Diuraphis noxia 4689 4690

[Hemiptera: Cicadellidae]
Recilia dorsalis 2177

[Hemiptera: Coccidae]
Parthenolecanium 12085
Parthenolecanium corni 9538

[Hemiptera: Coccoidea]
Unknown species 7386

[Hemiptera: Diaspididae]
Fiorinia externa 7067

[Hemiptera: Miridae]
Lygus lineolaris 6504

[Hemiptera: Ortheziidae]
Orthezia insignis 7383

[Hemiptera: Pentatomidae]
Acanthosoma labiduroides 5698
Halyomorpha halys 10386 10387 10392

[Hemiptera: spf. Coccoidea]
Unknown species 7076 7081 7086

[Hemiptera: Tingidae]
Leptopharsa heveae 8640

[Hymenoptera: Formicidae]
Unknown species 12027 12028 12029 12030 12031 12041 12042 12043 12044 12045 12047

[Hymenoptera: Pamphiliidae]
Unknown species 7518

[Isoptera: Termitidae]
Nasutitermes acajutlae 7802

[Lepidoptera]
Unknown species 9540

[Lepidoptera: Arctiidae]
Hyphantria cunea 12163 12164 12167 12170 12171 12176 12178 12179 12180 12181

[Lepidoptera: Lymantriidae]
Lymantria dispar 4899 4900

[Lepidoptera: Pyralidae]
Galleria mellonella 5199

[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10191 10282 10283 10284 10285 10286 10292 10293 10307
Thrips tabaci 3142

[Tylenchida: Heteroderidae]
Heterodera glycines 5237 5238 5239 5240 5241 5242 5243 5244 5245 5246 5247 5248

Unidentified / Zygomycetes

[Hemiptera: Aphididae]
Unknown species 6157 6158 6159 6507 6508 6509 6510 6511
Acyrtosiphon pisum 6119 6160
Aphis fabae 2022
Diuraphis noxia 4970 4971

Unidentified Entomophthorales sp.

[Diptera: Tipulidae]
Unknown species 7227 7228 7229 7230

Unidentified sp.

[Acari: Ixodidae]
Ixodes scapularis 6895 6899

[Araneida]
Unknown species 1419 3209

[Coleoptera]
Unknown species 1634

[Coleoptera: Chrysomelidae]
Leptinotarsa decemlineata 3724
Oulema melanopus 3980
Phyllotreta nigripes 4037

[Coleoptera: Coccinellidae]
Hippodamia convergens 3821

[Coleoptera: Curculionidae]
Aracanthus 3478
Sternuchus subsignatus 3471

[Coleoptera: Scarabaeidae]
Aphodius tasmaniae 4140
Popillia japonica 3714 3719 3722 3841

[Diptera]
Unknown species 1922

[Diptera: Culicidae]
Anopheles 2563
Anopheles gambiae 3380 3381

[Diptera: Psychodidae]
Lutzomyia 3123 3124 3378 3420 3421 3423 3424 3425 3427 3428
Lutzomyia longipalpis 3422
Lutzomyia saulensis 3413 3417 3419
Lutzomyia trapidoi 3426

[Diptera: Simuliidae]
Unknown species 3227 3228 3230 3231 3232 3233 3235 3236 3245 3246 3247

[Diptera: Tipulidae]
Tipula 9334

[Hemiptera]
Unknown species 1423

[Hemiptera: Adelgidae]
Adelges tsugae 9921

[Hemiptera: Aleyrodidae]
Unknown species 4003 7070
Bemisia 3798 3799 3801 3802 3805 3806 3807
Bemisia tabaci 3773 3779 3842 3844 3845 3847 3849 3850 3869 3876
Dialeurodes citri 3304

[Hemiptera: Aphididae]
Unknown species 1693 1694 3122 3125 3894 4204 4214 4215
Metopolophium dirhodum 3368
Myzus nicotinae 3239
Rhopalosiphum padi 3374

[Hemiptera: Cercopidae]
Aeneolamia varia 6370
Prosapia simulans 3536
Zulia carbonaria 6463 6466

[Hemiptera: Cicadellidae]
Empoasca fabae 3128

[Hemiptera: Membracidae]
Unknown species 4000

[Hymenoptera: Apidae]
Unknown species 4844

[Hymenoptera: Formicidae]
Solenopsis invicta 2640 3860

[Hymenoptera: Ichneumonidae]
Cratichneumon lanius 1421

[Lepidoptera: Geometridae]
Hibernia defoliaria 1415 1417
Lambdina athasaria 3567 3568 3569

[Lepidoptera: Incurvariidae]
Paraclemensia acericaulis 3794 3796 3797

[Lepidoptera: Plutellidae]
Plutella xylostella 2821

[Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1703
Diatraea saccharalis 3298 3299 3804

[Lepidoptera: Riordinidae]
Euselasia 3467 3468

[Lepidoptera: Yponomeutidae]
Yponomeuta 3998

[Thysanoptera: Phlaeothripidae]
Haplothrips tritici 3990 3991 3992 4201

[Thysanoptera: Thripidae]
Frankliniella occidentalis 3570 3993 3994 3997
Taeniothrips inconsequens 3319 3560

[Trichoptera]
Unknown species 3242 3243

Acremonium sp.

[Hemiptera: Adelgidae]
Adelges tsugae 5773

[Hemiptera: Aleyrodidae]
Bemisia tabaci 4058 4059

[Hemiptera: Coccidae]
Pulvinaria iceryi 11667

[Thysanoptera: Thripidae]
Thrips tabaci 4063

Acremonium alternatum

[Coleoptera: Scolytidae]
Hypothenemus hampei 7282

- Acremonium bactrocephalum**
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10166
10167 10168 10169
- Acremonium berkeleyanum**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2067
- Acremonium furcatum**
[Coleoptera: Curculionidae]
Hypera postica 1372
- Acremonium psamosporum**
[Thysanoptera: Thripidae]
Thrips tabaci 4062
- Acremonium roseum**
[Lepidoptera: Noctuidae]
Pseudoplusia ni 1964
- Acremonium(?) sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 9368
[Hemiptera: Coccidae]
Unknown species 7036
[Thysanoptera: Thripidae]
Frankliniella occidentalis 7031
- Acrodontium crateriforme**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2070
- Akanthomyces clavatus**
[Hymenoptera: Formicidae]
Solenopsis invicta 7577
- Akanthomyces gracilis**
[Hymenoptera: Formicidae]
Paltothyreus tarsatus 2910 2919
- Amoebidium appalachense**
[Diptera: Chironomidae]
Chironomus 9181 9255 9256
- Amoebidium parasiticum**
[Cladocera]
Unknown species 9182 9257
[Diptera: Chironomidae]
Chironomus 9183
- Aphanocladium sp.**
[Hemiptera: Delphacidae]
Delphacodes kuscheli 8457 8458
- Aphanocladium album**
[Araneida: Araneae]
Unknown species 6492
[Coleoptera: Curculionidae]
Hypera postica 1329
[Hemiptera: Aleyrodidae]
Bemisia tabaci 3680
[Hemiptera: Scutelleridae]
Eurygaster 5756
- Aphanomyces sp.**
[Dorylaimida: Longidoridae]
Xiphinema americanum 2005
- Arthrobotrys oligospora**
[Diptera: Anthomyiidae]
Delia floralis 5561 5562
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4967
- Aschersonia sp.**
[Hemiptera]
Unknown species 3015
[Hemiptera: Aleyrodidae]
Unknown species 3014 4207 4208 4210
4433 4434 4435 4436 4437 4438
4439 4440 4441 4442 4443 4444
4445 4448 4449 5215 5216
Dialeurodes citri 2351 2357 2358 2397
2398 4424 4426 4430 4431 4432
[Hemiptera: Coccidae]
Unknown species 10276
[Hemiptera: sp. Coccoidea]
Unknown species 7085
- Aschersonia aleyrodii**
[Hemiptera: Aleyrodidae]
Unknown species 430 432 4209
Aglaia odoratissima 2154
Dialeurodes ?citri 341 342
Dialeurodes citri 992 9535
Trialeurodes vaporariorum 2268
- Aschersonia andropogonis**
[Hemiptera]
Unknown species 7391
- Aschersonia goldiana**
[Hemiptera: Aleyrodidae]
Dialeurodes ?citri 343
- Aschersonia insperata**
[Hemiptera: Aleyrodidae]
Dialeurodes citri 2356 2396
- Aschersonia placenta**
[Hemiptera: Aleyrodidae]
Dialeurodes citri 7603
[Hemiptera: Coccoidea]
Unknown species 7604
- Aschersonia rhombispora**
[Hemiptera]
Unknown species 7390
- Aschersonia turbinata**
[Hemiptera]
Unknown species 1030
[Hemiptera: Diaspididae]
Aonidiella aurantii 11868 11869
- Ascopolyporus philodendrus**
[Hemiptera: Coccoidea]
Unknown species 7354
- Ascopolyporus villosus**
[Hemiptera: Coccoidea]
Unknown species 7355
- Ascospaera sp.**
[Hymenoptera: Superfamily Apoidea]
Unknown species 7368
- Ascospaera aggregata**
[Hymenoptera: Megachilidae]
Megachile rotundata 689 690
- Ascospaera apis**
[Hymenoptera: Apidae]
Apis mellifera 691 692 2683 5142 6362
7405 7406
- Ascospaera arienoides**
[Hymenoptera: Megachilidae]
Megachile 5143
- Ascospaera atra**
[Hymenoptera: Apidae]
Apis mellifera 5147
[Hymenoptera: Megachilidae]
Megachile rotundata 693
- Ascospaera duiformis**
[Hymenoptera: Apidae]
Apis mellifera 5141
- Ascospaera flava**
[Hymenoptera: Megachilidae]
Megachile 5144
- Ascospaera larvis**
[Hymenoptera: Megachilidae]
Megachile rotundata 7945 7946
- Ascospaera major**
[Hymenoptera]
Unknown species 694
- Ascospaera prolipepa**
[Hymenoptera: Megachilidae]
Megachile centuncularis 695
Megachile rotundata 696 6363
- Ascospaera solina**
[Hymenoptera: Colletidae]
Unknown species 5146
- Ascospaera subcuticulata**
[Hymenoptera: Megachilidae]
Chalicodoma 5145
- Aspergillus sp.**
[Acari: Ixodidae]
Ixodes scapularis 6604 6898
[Blattodea: Blattellidae]
Supella longipalpa 8284
[Coleoptera: Chrysomelidae]
Leptinotarsa decemlineata 6571
[Coleoptera: Curculionidae]
Anthonomus grandis 7048
[Hemiptera: Aleyrodidae]
Bemisia tabaci 3698
[Hemiptera: Cercopidae]
Aeneolamia varia 6369
[Hemiptera: Delphacidae]
Sogatella furcifera 8519
[Hemiptera: Pentatomidae]
Dolycor 6405 6406 6408
Nezara viridula 8280
[Hemiptera: Scutelleridae]
Eurygaster 6399
[Hymenoptera: Formicidae]
Unknown species 12050 12051

- [Hymenoptera: Megachilidae]
Megachile rotundata 6364
- [Isoptera: Termitidae]
Unknown species 8633
- [Lepidoptera: Noctuidae]
Rachiptusia nu 5205
- [Lepidoptera: Plutellidae]
Plutella xylostella 2765 2817 2820
- [Orthoptera: Acrididae]
Melanoplus 1152
- Aspergillus clavatus**
[Hemiptera: Aphididae]
Myzus persicae 4359
[Hemiptera: Pseudococcidae]
Phenacoccus solenopsis 9375
- Aspergillus flavus**
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6469
[Coleoptera: Scarabaeidae]
Pachnoda interrupta 6454
[Coleoptera: Tenebrionidae]
Tenebrio molitor 9381
[Diptera: Bombyliidae]
Unknown species 3430
[Diptera: Sarcophagidae]
Neobulleria citellivora 3144
[Hemiptera: Pseudococcidae]
Phenacoccus solenopsis 9376
[Hymenoptera: Formicidae]
Anoplolepis longipes 2157 2158 2159
[Lepidoptera: Bombycidae]
Bombyx mori 1003 1010
[Lepidoptera: Gelechiidae]
Phthorimaea operculella 4126
[Lepidoptera: Plutellidae]
Plutella xylostella 2818
- Aspergillus flavus(?)**
[Lepidoptera: Pyralidae]
Galleria mellonella 5503 5504 5505
5506 5507 5508 5509
- Aspergillus nidulans(?)**
[Coleoptera: Curculionidae]
Diaprepes abbreviata 6515
- Aspergillus niger**
[Hemiptera: Pentatomidae]
Dolycorus 6407
[Hemiptera: Scutelleridae]
Eurygaster 5721
[Hymenoptera: Megachilidae]
Osmia lignaria 6365
[Isoptera: Termitidae]
Nasutitermes acajutlae 7797 7798 7799
[Orthoptera]
Unknown species 3143
- Aspergillus niger(?)**
[Diptera: Drosophilidae]
Drosophila 7975
- Aspergillus ochraceus**
[Acari: Ixodidae]
Ixodes scapularis 3325
[Hemiptera: Scutelleridae]
Eurygaster 5722
[Lepidoptera: Lymantriidae]
Lymantria dispar 2833
- Aspergillus ochraceus(?)**
[Hymenoptera: Formicidae]
Solenopsis invicta 7027
- Aspergillus parasiticus**
[Coleoptera: Curculionidae]
Unknown species 2173
[Lepidoptera: Pyralidae]
Eoreuma loftini 5470
- Aspergillus sydowii**
[Alcyonacea: Gorgoniidae]
Gorgonia ventalina 8379 8380 8381
8382
- Aspergillus tamarii**
[Lepidoptera: Gelechiidae]
Phthorimaea operculella 4127
- Barbatospora ambicaudata**
[Diptera: Simuliidae]
Simulium vandalicum 9020
- Basidiobolus sp.**
[Anura: Bufonidae]
Bufo bufo 9894 9895 9896 9897 9898
9899 9906 9907 9908
[Anura: Dendrobatidae]
Dendrobates leucomelas 9888
[Anura: Discoglossidae]
Alytes 9903 9904 9905 9909 9910 9911
9912
Discoglossus 9900 9901 9902
[Anura: Microhylidae]
Dyscophus guineti 9887
[Anura: Ranidae]
Hylarana erythraea 9890
Hylarana glandulosa 9892
Hylarana labialis 9891 9893
[Caudata: Salamandridae]
Triturus marmoratus 9889
[Primates: Hominidae]
Homo sapiens 273
- Basidiobolus haptosporus**
[Diptera: Brachycera]
Unknown species 1347
[Primates: Hominidae]
Homo sapiens 261 272
- Basidiobolus ranarum**
[Lepidoptera: Lasiocampidae]
Dendrolimus spectabilis 1139
- Batkoa sp.**
[Coleoptera: Cantharidae]
Unknown species 5810
[Diptera: Drosophilidae]
Drosophila sukuzii 12251
[Hemiptera: Aphididae]
Acyrtosiphon pisum 3131
[Lepidoptera: Lasiocampidae]
Malacosoma disstria 7370
[Lepidoptera: Noctuidae]
Panolis flammea 6179
- Batkoa apiculata**
[Diptera: Sciaridae]
Unknown species 919 927 1660 1661
Bradysia paupera 3225 3226
[Hemiptera: Aphididae]
Acyrtosiphon kondoi 839
Acyrtosiphon pisum 2504 3130 3136
3140
Brevicoryne brassicae 1146
Macrosiphum euphorbiae 174
Myzus ascalonicus 67
Myzus persicae 129
Rhopalosiphum maidis 3088 3091
Rhopalosiphum padi 3080 5994
[Hemiptera: Cicadellidae]
Unknown species 5552
[Hymenoptera]
Unknown species 395
- Batkoa gigantea**
[Diptera: Tipulidae]
Tipula paludosa 214 215 403
- Batkoa major**
[Hemiptera: Aphididae]
Unknown species 1427
[Hemiptera: Cicadellidae]
Empoasca fabae 2936 3102 3103
- Batkoa papillata(?)**
[Diptera: Simuliidae]
Unknown species 7068
- Beauveria sp.**
[Araneida]
Unknown species 7582
[Araneida: Araneae]
Unknown species 5174 5187 6691
[Coleoptera]
Unknown species 5697 5831 7595
[Coleoptera: Buprestidae]
Agrilus planipennis 8110 8111 8112
8113 8116 8117 8119 8120 8121
8122 8123 8124 8125 8126 8127
8128 8129 8130 8132 8133 8134
8135 8136 8137 8138 8139 8140
8141 8143 8144 8145 8146 8147
8148 8149 8150 8151 8152 8153
8154 8156 8158 8159 8160 8161
8164 8166 8167 8168 8169 8170
8171 8172 8173 8174 8175 8176
8177 8178 8180 8181 8182 8185
8186 8187 8188
[Coleoptera: Chrysomelidae]
Basilepta fulvicornis 8250
Pachybrachis pallicornis 547

5536 5537 5807 5813 6986 6987 6988 8998 9441	<i>Rhynchites aequatus</i> 8037	<i>Ips stenographus</i> 6900
<i>Liliocercis lilii</i> 5195	<i>Rhynchites baccus</i> 8668	<i>Ips typographus</i> 7525 7526
<i>Maecolaspis monrosi</i> 2509	<i>Rhynchophorus ferrugineus</i> 6903	<i>Tomicus minor</i> 5071
<i>Notonata</i> 3437 3438 3439 3441 3442 3444 3446 3447 3450 3451 3452 3455	<i>Sitona</i> 1647 8077	[Coleoptera: Staphylinidae]
<i>Odontota dorsalis</i> 5553	<i>Sitona discoideus</i> 816 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1183 1185 1188 1189 1190 1191 1309 1311 1312 1313 1811 1815 1816 1817 1818 1819 1820 1821	Unknown species 3112 4055 <i>Anotylus rugosus</i> 4051 4056 <i>Anotylus sp.</i> 4046 <i>Gyrophypnus angustatus</i> 4054 <i>Tachyporus sp.</i> 4028
<i>Pyrrhalta luteola</i> 1509 1510 1511 1518 1519	<i>Sitona humeralis</i> 1491	[Coleoptera: Tenebrionidae]
<i>Pyrrhalta viburni</i> 9449	<i>Sitona lineatus</i> 1156 1157 1158 1159 1160 1161 1162 1165 1167 1168 1169 1170 1182 1192 1193 1194 1306 4013 4015 4016 4019 4021 4041	Unknown species 757 783 787 6057 6064 6077 6078 6096 6113 6478 6483
<i>Systema</i> 2079	<i>Sitophilus</i> 7764 7773 7774	<i>Alphitobius diaperinus</i> 5836 5838 5839 5840 5843 7941
<i>Xanthogaleruca luteola</i> 5501	<i>Sternechus subsignatus</i> 1450	<i>Pterohelaeus darlingtonensis</i> 8065 <i>Tenebrio molitor</i> 5623 8038
[Coleoptera: Chrysomelidae: Hispinae]	[Coleoptera: Curculionidae: Apioninae]	[Coleoptera: Adepaga]
Unknown species 8494	<i>Cylas formicarius elegantulus</i> 5981 5982	Unknown species 5672
[Coleoptera: Coccinellidae]	[Coleoptera: Elateridae]	[Collembola: Sminthuridae]
Unknown species 6055 6061 6062 6063 6074 6075 6092 6095 6111 6112 11878	Unknown species 150 784 804 5670	<i>Sminthurus viridis</i> 5853
<i>Coccinella</i> 2033 2034	[Coleoptera: Lagriidae]	[Dermaptera]
<i>Coccinella septempunctata</i> 2580 3534 4018	<i>Lagria vilosa</i> 2961	Unknown species 796 5495 5496 5991 7252
<i>Coleomegilla maculata</i> 1956	[Coleoptera: Lampyridae]	[Dermaptera: Forficulidae]
<i>Cycloneda sanguinea</i> 2010 8372 8462 8463	<i>Cratomorphus diaphanus</i> 8464	<i>Doru lineare</i> 8374 8465 <i>Forficula africana</i> 5650 5651 5652 <i>Forficula auricularia</i> 3018
<i>Hippodamia convergens</i> 4973 4974 4975	[Coleoptera: Languriidae]	[Dictyoptera: Mantidae]
[Coleoptera: Cucujidae: Silvaninae]	Unknown species 3457	Unknown species 7236 7238
<i>Ahasverus advena</i> 5857	[Coleoptera: Nitidulidae]	[Diptera]
[Coleoptera: Curculionidae]	Unknown species 325	Unknown species 1962 2454 7269 8707 8712 10141 10149
Unknown species 930 1061 2040 3667 4052 6216 6217 7202 7466 7471 7769 7978 8520 8521 8522 8523 8524 8525 8526 8530 8705	[Coleoptera: Pythidae]	[Diptera: Anthomyiidae]
<i>Anthonomus grandis</i> 1966 2559 2638 2639 2945 2946 3097 7795	<i>Pytho</i> 1854	<i>Delia antiqua</i> 1864 1865 1866 <i>Delia radicum</i> 1151 4012 6553 6555 6563 6564 6568
<i>Anthonomus musculus</i> 3037	[Coleoptera: Rhizophagidae]	<i>Pegoplata aestiva</i> 8031
<i>Apion</i> 4023	<i>Rhizophagus grandis</i> 1848	[Diptera: Calliphoridae]
<i>Aracanthus</i> 753	[Coleoptera: Scarabaeidae]	<i>Calliphora</i> 1630
<i>Ceutorhynchus litura</i> 3403	Unknown species 6058 6686 7264	[Diptera: Ephydriidae]
<i>Chalcodermus</i> 941 942 943 953	<i>Adoryphorus coultonii</i> 4135 4136	Unknown species 6567
<i>Chalcodermus aeneus</i> 336 337 733 734 735 736 738	<i>Ancognatha scarabaeoides</i> 2249 2250	<i>Scatella tenuicosta</i> 8245 8246 8247
<i>Conotrachelus nenuphar</i> 1016 8260 8261 8262 8263	<i>Anomala cuprea</i> 1683	[Diptera: Muscidae]
<i>Cosmopolites</i> 1833	<i>Anoplognathus</i> 8763	Unknown species 1955 10142 11845 <i>Haematobia irritans</i> 5862 5864 5865 5866
<i>Cosmopolites sordidus</i> 1483 4798 4799	<i>Aphodius tasmaniae</i> 8079	<i>Musca autumnalis</i> 1514
<i>Curculio caryae</i> 2676	<i>Pachmoda interrupta</i> 6669 6676 6681	<i>Musca domestica</i> 2953 5339 5340 5341 5342 5343 5344 5345 5346 5347 5861 5863 7049 7940
<i>Cyrtopistomus castaneus</i> 2270	<i>Phyllophaga</i> 5740 5741 5742 5743 5744 5745	[Diptera: Psychodidae]
<i>Diaprepes abbreviata</i> 412 416 433	<i>Popillia japonica</i> 3716 3717 5148 5150	<i>Phlebotomus papatasi</i> 2972
<i>Geraeus senilis</i> 3310 3311	<i>Rhopaea magnicornis</i> 4130 7813 8853 8854	[Diptera: Sciaridae]
<i>Heilipodus erythropus</i> 8461	<i>Sericesthis nigrolineata</i> 7853	Unknown species 6566
<i>Hypera postica</i> 1389 1398 1399 1515 4038 4049	[Coleoptera: Scolytidae]	[Diptera: Tachinidae]
<i>Listronotus oregonensis</i> 2983 2984 2985 2986	Unknown species 1566 3040	Unknown species 1150
<i>Metamasius</i> 842	<i>Dendroctonus ponderosae</i> 1849 1853	[Diptera: Tipulidae]
<i>Metamasius callizona</i> 5986	<i>Dryocoetes confusus</i> 1852 9184	<i>Tipula paludosa</i> 6565
<i>Metamasius hemipterus</i> 2642	<i>Hypothenemus hampei</i> 1480 2685 2686 2687 2688 2689 2690 2691 2692 2693 3440 3443 3445 3448 3453 3818 3819 5436 5437 5438 5439 5440 5441 5442 5443 5444 5445 5446 5447 5448 5449 5450 5451 5452 5453 5454 5455 5456 5457 5458 5459 5460 5477 5478 5479 5480 5481 5482 5483 5484 5485 5486 5487 5488 5489 5490 6526 6527 6528 6529 6530 6531 6532 7758 10471	[Hemiptera]
<i>Oryzophagus oryzae</i> 3098		Unknown species 5978 7583
<i>Otiorhynchus ligustici</i> 6884 6885		[Hemiptera: Adelgidae]
<i>Otiorhynchus sulcatus</i> 815 1073 1074 1075 6552 7763 8078		<i>Adelges tsugae</i> 5170 5171 5767 5768 5769 5770 5796 6027
<i>Phlyctinus callosus</i> 8756 8757		
<i>Premnotryes latithorax</i> 5983 5984		
<i>Premnotrypes vorax</i> 2248		

[Hemiptera: Aleyrodidae]	[Hemiptera: Miridae]	[Hymenoptera]
<i>Bemisia tabaci</i> 4981 4982 4983 4984 5274 5275 5276 5277 5278 5279 5280 5281 5282 5283 5284 5285 5287 5288 5289 5290 5291 5292 5293 5294 5295 5296	Unknown species 3449 3454 3456 <i>Adelphocoris</i> 1516 1517 1523 1524 1525 1526 1527 1528 1529 1531 1533 1534 1535 1536 1537 1538 1539 1540 1635 1636 1637 1638 1640 1643 1650 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801	Unknown species 7239 7254 7257 7259 7265
<i>Trialeurodes vaporariorum</i> 6920 6921 6922 6923 6924 9451	<i>Leptopterna dolabrata</i> 8036 <i>Liocoris tripustulatus</i> 8025 <i>Lygus</i> 886 1394 1395 1396 1397 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1520 1521 1648 1649 1802 1803 1804 1805 1806 1807 1808 1809 1810 1812 1813 1814 1822 2318 2319 2320 2321 2322 2458 2462	[Hymenoptera: ?Megachilidae] Unknown species 957
[Hemiptera: Anthocoridae]	<i>Lygus ?lineolaris</i> 1317 1318 1319 1320 1321 1322 1323 1324 1325	[Hymenoptera: Superfamily Apoidea] Unknown species 1468
<i>Anthocoris nemorum</i> 8028	<i>Lygus hesperus</i> 6660 6661 <i>Lygus lineolaris</i> 3769 5808 8317 8889 <i>Lygus pratensis</i> 2461 <i>Notostira elongata</i> 8029 8030 <i>Stenodema laevigatum</i> 8026	[Hymenoptera: Apidae] <i>Apis mellifera</i> 5989 7596 9447 <i>Bombus</i> 7201
[Hemiptera: Aphididae]	[Hemiptera: Nabidae]	[Hymenoptera: Apoidea] Unknown species 9595
Unknown species 3120 4523 4524	<i>Nabis</i> 1988	[Hymenoptera: Cephidae] <i>Cephus</i> 6793 6794 6795 <i>Cephus cinctus</i> 12240 12241 12242 12243 12244 12245 12246 12247 12248
<i>Aphis gossypii</i> 5493 5494	[Hemiptera: Pentatomidae]	[Hymenoptera: Diprionidae] <i>Diprion pini</i> 338
<i>Diuraphis noxia</i> 2861 2864 2879 2882 3154 3155 3156 3157 3158 3166 3167 3168 3169 3215 3867 3890 3891 3892 3905 3906 3907 3908 4099 4100 4101 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4462 4463 4464 4691 4692 4693 4694 4695 4696 4697 4976 4977 4978 4979 5705 6968 6969 6978 6979 6980	Unknown species 737 944 1973 1974 1984 6722 <i>Acanthosoma labiduroides</i> 7240 7246 7273 <i>Aelia</i> 6093 <i>Dolycorus</i> 6404 6426 <i>Euschistus heros</i> 1478 <i>Nezara viridula</i> 1054 1474 2011 2457 2516 4092 4093 <i>Oebalus poecilus</i> 2191 <i>Podisus</i> 1457 2519 <i>Tibraca limbativentres</i> 933 4091	[Hymenoptera: Eurytomidae] <i>Bephratelloides cubensis</i> 2869
<i>Myzus persicae</i> 3385	[Hemiptera: Pseudococcidae]	[Hymenoptera: Formicidae] Unknown species 1960 2487 5069 7260 12023 12024 12025 12026 <i>Atta</i> 1831 3285 <i>Atta mexicana</i> 2484 2485 2486 <i>Myrmica rubra</i> 7533 7534 <i>Pogonomyrmex occidentalis</i> 7540 7541 <i>Solenopsis</i> 2722 2723 <i>Solenopsis invicta</i> 2401 2402 2403 2404 5956 5957 5960 5961 5962 5967 5973 5974 <i>Solenopsis quinquecupis</i> 5966 5968 <i>Solenopsis saevissima</i> 5958 5963 5965 5969 <i>Solenopsis xyloni</i> 5970 5971 5972
<i>Rhopalosiphum padi</i> 6970	<i>Rhizoecus</i> 2236	[Hymenoptera: Formicidae: Myrmicinae] Unknown species 1976 1977 1978 1979
<i>Schizaphis graminum</i> 2336 2860 2880 2881 2883	[Hemiptera: Reduviidae]	[Hymenoptera: Ichneumonidae] Unknown species 9448
[Hemiptera: Cercopidae]	<i>Triatoma infestans</i> 7147	[Hymenoptera: Megachilidae] Unknown species 7377 7378
<i>Deois flavopicta</i> 806 3019	[Hemiptera: Rhopalidae]	[Hymenoptera: Pamphiliidae] Unknown species 7519 7520 7521 <i>Pamphilius betulae</i> 154
<i>Zulia carbonaria</i> 6459	<i>Leptocoris</i> 560 566 <i>Leptocoris oratorius</i> 1269 1270	[Hymenoptera: Pergidae] <i>Lophyrotoma zonalis</i> 8753
<i>Zulia entreriana</i> 477	[Hemiptera: Scutelleridae]	[Hymenoptera: subord. Symphyta] Unknown species 5985
[Hemiptera: Cicadellidae]	<i>Eurygaster</i> 5665 5674 5725 5753 5762 6008 6009 6011 6013 6014 6016 6019 6039 6040 6041 6042 6056 6060 6065 6066 6067 6069 6070 6072 6073 6076 6079 6083 6086 6087 6088 6089 6090 6091 6115 6149 8932 10348 10349 10351 10352 10353 10354 10355 10356 10357 10358 10359 10360 10361 10362 11618 11619 11620	[Hymenoptera: Vespidae] Unknown species 730 1953 2943 2944 <i>Polistes</i> 6513
Unknown species 945 7590 8710 8711 9443	[Hemiptera: Tingidae]	[Isoptera: Rhinotermitidae] <i>Coptotermes formosanus</i> 6906 6907 6908 <i>Reticulitermes flavipes</i> 3041
<i>Balacha melanocephala</i> 7464 7465 7467 7469 8370 8459 8460 8528 8529	<i>Corythucha ciliata</i> 812 <i>Leptopharsa heveae</i> 7984 8637 8638	[Lepidoptera] Unknown species 2633 2637 2857 6109 6557 7274 7585 7593 8709 9445 11708 11715 11716 11717 11719
<i>Molopopterus theae</i> 6982	[Heteroptera]	[Lepidoptera: Arctiidae] <i>Hyphantria cunea</i> 1564 12165
<i>Nephotettix bipunctata cincticeps</i> 708 1553 1554 1555 1556	Unknown species 4057	[Lepidoptera: Bombycidae] <i>Bombyx mori</i> 302 303 304 305 718 1007 2737 5704
<i>Nephotettix cincticeps</i> 1098	[Heteroptera: Miridae]	
<i>Pawiloma victima</i> 8371	Unknown species 4035 <i>Lygus sp.</i> 4053	
[Hemiptera: Cicadidae]		
Unknown species 2544 7256 7258 11712		
[Hemiptera: Cixiidae]		
<i>Oliarus dimidiatus</i> 7776		
[Hemiptera: Coccidae]		
Unknown species 6723		
[Hemiptera: Coreidae]		
<i>Leptoglossus fulvicornis</i> 3086		
[Hemiptera: Delphacidae]		
<i>Nilaparvata lugens</i> 654 679 709 714 717 719 2427 7592		
[Hemiptera: Lygaeidae]		
Unknown species 8706		
<i>Blissus leucopterus</i> 792 2430		
<i>Nysius vinitor</i> 300		
<i>Scolopostethus affinis</i> 8027		
[Hemiptera: Membracidae]		
Unknown species 3312 3999		
<i>Kronides</i> 7468		
<i>Spissistilus festinus</i> 8318		
[Hemiptera: Mesoveliidae]		
<i>Mesovelia mulsanti</i> 320		

[Lepidoptera: Brassolidae]	<i>Eldana saccharina</i> 5645 5653 5655	<i>Melanoplus confusus</i> 12208 12210 12211 12218
<i>Brassolis sophorea</i> 2619 6514	<i>Galleria mellonella</i> 1113 1114 5510	<i>Melanoplus dawsonii</i> 12220 12230 12237 12238
[Lepidoptera: Cossidae]	6147 6148 6556 6894 6904 6905	<i>Melanoplus femurrubrum</i> 12204
<i>Cossula cossus</i> 1103 1104 1558	6931 6932 6933 6934 6935 6936	<i>Melanoplus infantilis</i> 12231
<i>Zeuzera pyrina</i> 1105	6937 6938 6939 6940 6941 6943	<i>Melanoplus sanguinipes</i> 12197 12198 12199 12201 12202 12203 12205 12206 12212 12215 12216 12217 12222 12226 12227 12228 12229
[Lepidoptera: Danaidae]	6949 6950 6951 6952 6953 7060	<i>Oxyops vitiosa</i> 5987
<i>Danaus plexippus</i> 7093 8891	7356 7357 7358 7359 7362 7364	<i>Phoetaliotes nebrascensis</i> 12219
[Lepidoptera: Eupterotidae]	7365 7552 7553 7554 7955 7956	<i>Rhammatocerus schistocercoides</i> 7983
Unknown species 6984	7957 7958 7959 7963 7964 7965	<i>Schistocerca gregaria</i> 5633 5634 5635 5636 5637 5638 5639 5640 5641 5642 5643
[Lepidoptera: Geometridae]	7966 7968 8032 8033 8035 8039	[Orthoptera: Catantopidae]
<i>Isturgia exerrariae</i> 6973	8040 8339 8340 8343 8349 8354	<i>Calliptamus italicus</i> 8694 8697
[Lepidoptera: Hepialidae]	8355 8431 8444 8661 8663 8664	[Orthoptera: Gryllotalpidae]
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- Entomophthora syrphi**
[Diptera: Syrphidae]
Melanostoma scalare 6819 6820
Platycheirus clypeatus 6702
Triglyphus primus 5955

Entomophthora thripidum

[Thysanoptera: Thripidae]
Thrips tabaci 5868 6517 6518 6519
6520 6521 6522 6525

Erynia sp.

[Coleoptera: Cantharidae]
Unknown species 2664 5352
Rhagozycha fulva 2525 2536 2537 2538
2539 2553 2663

[Diptera]
Unknown species 876 880 884 2495

[Diptera: Brachycera]
Unknown species 1338

[Diptera: Chironomidae]
Unknown species 2507

[Diptera: Ephydriidae]

?*Hydrellia* 2097

[Hemiptera: Aphididae]
Unknown species 2279

Brevicoryne brassicae 2294

Macrosiphum euphorbiae 2292

Therioaphis maculata 1666

[Lepidoptera]
Unknown species 1241

[Lepidoptera: Noctuidae]
Pseudoplusia includens 2027

[Lepidoptera: Plutellidae]
Plutella xylostella 983

[Lepidoptera: Tortricidae]
Eana argentana 1143

[Trichoptera]
Unknown species 9537

Erynia aquatica

[Diptera: Culicidae]
Unknown species 764
Aedes 750

Erynia conica

[Diptera: Chironomidae]
Unknown species 2274 2405
[Diptera: Simuliidae]
Unknown species 1752 1753 2275
Simulium 1439

Erynia curvispora

[Diptera: Simuliidae]
Unknown species 1754 3229
[Trichoptera]
Unknown species 3244

Erynia ovispora

[Diptera: Psychodidae]
Unknown species 399 400

Erynia rhizospora

[Trichoptera]
Unknown species 219 801 1440 1441
1442 1443 2276
[Trichoptera: Hydropsychidae]
Unknown species 2407

Erynia sciarae

[Diptera: Mycetophilidae]
Unknown species 1870

Erynia sepulchralis

[Diptera: Tipulidae]
Unknown species 12250

Eryniopsis caroliniana

[Diptera: Tipulidae]
Tipula paludosa 640 641 642

Eryniopsis ptychopterae

[Diptera: Ptychopteridae]
Ptychoptera contaminata 2535 2671

Escovopsis aspergilloides

[Hymenoptera: Formicidae]
Trachymyrmex sp. 5575

Escovopsis sp.

[Hymenoptera: Formicidae]
Acromyrmex octospinosus 5574

Escovopsis weberi

[Hymenoptera: Formicidae]
Atta colombica 5576

Eurotiomycetes, genus undetermined

[Hemiptera: Adelgidae]
Adelges tsugae 9360 9361

Evlachovaea sp.

[Coleoptera: Elateridae]
Agriotes 7403
[Coleoptera: Scarabaeidae]
Phyllophaga menetriesi 7551
[Coleoptera: Scolytidae]
Dendroctonus rufipennis 1017

[Dermaptera]
Unknown species 7602

[Diptera: Bibionidae]
Plecia 7372

[Diptera: Stratiomyidae]
Chiromyza 6146

[Hemiptera: Tingidae]
Leptopharsa heveae 6635 6638 6639
6640 6641

[Hymenoptera: Formicidae]
Pogonomyrmex occidentalis 7543

[Hymenoptera: Sphecidae]
Unknown species 2545

[Hymenoptera: Tenthredinidae]
Monophadnus elongatulus 1576

[Lepidoptera]
Unknown species 7599 7600 7601

[Lepidoptera: Brassolidae]
Brassolis 2297
Brassolis sophorea 2613 2620

[Lepidoptera: Gelechiidae]
Sitotroga cerealella 5703

[Lepidoptera: Noctuidae]
Spodoptera frugiperda 959

[Lepidoptera: Oecophoridae]
Anteotricha 2614 2615

[Lepidoptera: Pyralidae]
Galleria mellonella 8439 8441 8442
8449

[Thysanoptera: Thripidae]
Unknown species 11788

Evlachovaea kintrischica

[Coleoptera: Chrysomelidae]
Agelastica alni 7218 8058

Exophiala sp.

[Hemiptera: Adelgidae]
Adelges tsugae 9362

Furculomyces boomerangus

[Diptera: Chironomidae]
Procladius paludicola 9077
Psectrocladius paludicola 9259
Tanytarsus nr. *inextentus* 9021

Furia americana

[Diptera]
Unknown species 742 1240 1242 2192
2194

Furia gastropachae

[Lepidoptera]
Unknown species 2906
[Lepidoptera: Lasiocampidae]
Malacosoma disstria 5541 5542 5543
5544 5545 5546 5547 5869 5870
5871 5872 8926

Furia ithacensis

[Diptera: Empididae]
Unknown species 1339 1340

Furia neopyralidarum

[Lepidoptera]
Unknown species 1145

Furia pieris

[Lepidoptera: Pieridae]
Pieris rapae 781

Furia virescens

[Hemiptera: Miridae]
Notostira elongata 394
[Lepidoptera]
Unknown species 427
[Lepidoptera: Noctuidae]
Unknown species 470 1129

Fusarium sp.

[Acari: Ixodidae]
Boophilus 3296
[Acari: Tetranychidae]
Tetranychus urticae 6443 6572
[Coleoptera: Buprestidae]
Agrius planipennis 8131
[Coleoptera: Chrysomelidae]
Liliocercis lilii 4011
[Coleoptera: Curculionidae]
Anthonomus musculus 3030 3031 3032
Chalcodermus aeneus 2568 2569
Conotrachelus nenuphar 8266 8267
Otiiorhynchus ligustici 4825
Sitona discoideus 1310
[Coleoptera: Scarabaeidae]
Amphimallon solstitiale 11670 11671
11672 11673 11674 11675 11677
11679 11680 11684
[Coleoptera: Scolytidae]
Dendroctonus micans 9273 9274
Hypothenemus hampei 5461 5875 5878
5879 6602 7063

- [Diptera]
Unknown species 2414
- [Diptera: Bibionidae]
Unknown species 2252
- [Diptera: Culicidae]
Culex pipiens pipiens 11949 11950
Ochlerotatus trivittatus 11948
- [Diptera: Muscidae]
Musca domestica 1522
- [Diptera: Psychodidae]
Lutzomyia 3382
- [Diptera: Ulidiidae]
Tetanops myopaeformis 7382
- [Hemiptera: Adelgidae]
Adelges tsugae 5803 5825
- [Hemiptera: Aleyrodidae]
Unknown species 4002
Bemisia tabaci 3668 3669 3670 3671
3672 3673 3674 3675 3676 3677
3678 3679 5332
- [Hemiptera: Aphididae]
Unknown species 3704 3707
Aphis fabae 8277 8278 8287
Aphis gossypii 5726 5727 5728 7233
Diuraphis noxia 4969
Rhopalosiphum padi 2337 11865
Sitobion avenae 2333
Toxoptera aurantii 6790
- [Hemiptera: Cercopidae]
Aeneolamia postica 3345
Mahanarva andigena 6460 6461 6464
Prosapia nr. bicincta 4713 4714 4715
Zulia carbonaria 6465
Zulia colombiana 6348 6351 6352 6353
6354 6358
Zulia pubescens 6320 6375 6576
- [Hemiptera: Coccidae]
Unknown species 1828
Coccus viridis 2232
Parthenolecanium 12072 12073 12074
12075 12076 12077 12078 12079
12084
- [Hemiptera: Delphacidae]
Nilaparvata lugens 687
Sogatella furcifera 8282 8283 8285
- [Hemiptera: Diaspididae]
Lopholeucaspis japonica 6225
- [Hemiptera: Membracidae]
Ceresa bubalus 8279
- [Hemiptera: Miridae]
Adelphocoris 1307 1641
- [Hemiptera: Pentatomidae]
Dolycorus 6411
Halyomorpha halys 10311 10312 10313
10388 10389 10390 10391 11655
- [Hemiptera: Pseudococcidae]
Phenacoccus solenopsis 9377
- [Hemiptera: Psyllidae]
Heteropsylla cubana 2303
- [Hemiptera: Reduviidae]
Triatoma infestans 7473
- [Hemiptera: Scutelleridae]
Eurygaster 5680 5682 5755 5757 6394
6395 6396 6397 6398 6400 6401
6402 6403 6409 6410 6425 6428
6429
- [Hymenoptera: Formicidae]
Unknown species 12032 12033 12034
12035 12036 12037 12038 12039
12040
- [Lepidoptera: Gelechiidae]
Scrobipalpuloides absoluta 5219
- [Lepidoptera: Hyblaeidae]
Hyblaea puer 2595
- [Lepidoptera: Lycaenidae: Polyommati-
nae]
Orachrysops subravus 6102
- [Lepidoptera: Lymantriidae]
Lymantria dispar 3532
- [Lepidoptera: Noctuidae]
Spodoptera 2736
Spodoptera frugiperda 3300
Spodoptera litura 6649
- [Lepidoptera: Phycitinae]
Emmalocera depressella 2418
- [Lepidoptera: Plutellidae]
Plutella xylostella 2776 5881
- [Lepidoptera: Pyralidae]
Chilo sacchariphagus 7045 7046
Galleria mellonella 5560
- [Lepidoptera: Tortricidae]
Cydia pomonella 3976
Epiphyas postvittana 10470
- [Orthoptera: Acrididae]
Aiolopus longicornis 6445 6446 6447
6450 6451 6452 6455
- [Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11697
- [Orthoptera: Tetrigidae]
Tetrix granulata 8281 8286
- [Thysanoptera: Thripidae]
Unknown species 9937 11790
Scirtothrips dorsalis 7381
- [Tylenchida: Heteroderidae]
Meloidogyne hapla 4956 4962
- Fusarium acuminatum**
[Orthoptera: Acrididae]
Unknown species 3218
- Fusarium avenaceum**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2060
- Fusarium coccophilum**
[Hemiptera: Coccoidea]
Unknown species 7409
- [Hemiptera: Diaspididae]
Lepidosaphes 2098
Melanaspis obscura 821
- Fusarium lateritium**
[Hemiptera: Psyllidae]
Heteropsylla cubana 2304
- [Hymenoptera: Ichneumonidae]
Unknown species 1331 1416
- Fusarium merismoides**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2059
- Fusarium moniliforme**
[Hemiptera: Diaspididae]
Melanaspis glomerata 2074
- Fusarium moniliforme var. inter-
medium**
[Hemiptera: Delphacidae]
Nilaparvata lugens 3223
- Fusarium nygamai**
[Lepidoptera: Noctuidae]
Raghuva albipunctella 2316
- Fusarium oxysporum**
[Diptera: Anthomyiidae]
Delia radicum 1371
- [Tylenchida: Heteroderidae]
Meloidogyne hapla 4963 4964
- Fusarium oxysporum(?)**
[Hemiptera: Cercopidae]
Zulia colombiana 6355
- Fusarium polyphialidicum**
[Lepidoptera: Lymantriidae]
Lymantria dispar 3692 3693 3694 3695
3696 3916
- Fusarium semitectum**
[Hemiptera: Delphacidae]
Nilaparvata lugens 2053
- [Hemiptera: Psyllidae]
Heteropsylla incisa 2299 2300
- Fusarium solani**
[Diptera: Anthomyiidae]
Delia radicum 1148
- Fusarium subglutinans**
[Hemiptera: Coccidae]
Pulvinaria elongata 2145
- [Hemiptera: Lophopidae]
Pyrilla perpusilla 2143 2144
- [Hemiptera: Psyllidae]
Heteropsylla incisa 2301
- [Lepidoptera: Pyralidae]
Chilo sacchariphagus indicus 2142
Scirpophaga excerptalis 2141
- Fusarium torulosum**
[Lepidoptera: Lymantriidae]
Lymantria dispar 3483
- Geotrichum sp.**
[Lepidoptera: Plutellidae]
Plutella xylostella 2752
- Geotrichum (?) sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 5823
- Gibellula clavulifera var. alba**
[Araneida: Salticidae]
Euophrys ?trivittata 1909
- Gibellula pulchra**
[Araneida]
Unknown species 1732
- Gibellula sp.**
[Araneida]
Unknown species 569 570 1669 8927
- Gliocladium sp.**
[Lepidoptera: Sesiidae]
Unknown species 6632

- Gliocladium(?)** sp.
[Acari: Ixodidae]
Ixodes scapularis 6896
[Hemiptera: Margarodidae]
Icerya purchasi 6579 6583
- Haptocillium balanoides**
[Aphelenchida: Aphelenchoididae]
Aphelenchoides 3173
- Harpellales, genus undetermined**
[Diptera: Chironomidae]
Corynoneura 9089
[Trichoptera]
Unknown species 9064
- Harposporium anguillulae**
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4954
- Harposporium botuliforme**
[Bdelloida: Adinetidae]
Adineta vaga 10275
- Harposporium janus**
[Coleoptera: Cerambycidae]
Unknown species 5601
- Harposporium spirosporum**
[Bdelloida: Habrotrichidae]
Habrotricha elusa 8821 10271
- Hirsutella** sp.
[Acari]
Unknown species 2795 2796 2797 2798
2801 2802 2803
[Acari: Eriophyidae]
Abacarus hystrix 970 8999
[Collembola]
Unknown species 2799
[Diptera: Sciomyzidae]
Sepedon sphegeus 1551
[Hemiptera]
Unknown species 4511
[Hemiptera: Cicadellidae]
Empoasca kraemeri 1625 2644 2645
2646 2647 2648 2649 2650 2651
2652 2653 2654 2655 2656 2657
2992
[Hemiptera: Cixiidae]
Oliarus dimidiatus 8378
[Hemiptera: Delphacidae]
Nilaparvata lugens 568 1096
[Hemiptera: Derbidae]
Lydda 4515
[Hemiptera: Diaspididae]
Nuculaspis tsugae 1668
[Hemiptera: Miridae]
Cyrtorhinus lividipennis 2208 2209
[Hemiptera: Psyllidae]
Diaphorina citri 9605 9606 11755
11757 11758 11759 11760 11761
[Hymenoptera: Formicidae]
Solenopsis invicta 7578
[Lepidoptera]
Unknown species 2581
[Thysanoptera: Phlaeothripidae]
Liothrips mikaniae 4513 4514
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 2939 2940
3266 3318 3546 3548 3553
Thrips palmi 4193
- Hirsutella brownorum**
[Acari]
Unknown species 3509
- Hirsutella citrifomis**
[Hemiptera: Cixiidae]
Myndus crudus 1035 1446
[Hemiptera: Delphacidae]
Unknown species 2428
Nilaparvata lugens 490 532 591 684
1036 1062 1063 1064 1243 1244
1245 1246 1249 1251 1252 1253
1254 1255 1256 1257 1258 1259
1436 1549 1550 1837 1913 1917
1918 1919 2099 2100 2101 2102
2103 2346 2420 2422 2423 2426
[Hemiptera: Psyllidae]
Diaphorina citri 8315 9180 11665
Heteropsylla cubana 2347 2598
[Psocoptera: Ectopsocidae]
Ectopsocus 8679
[Psocoptera: Pseudocaeciliidae]
Heterocaecilius 8677 8678
- Hirsutella cryptosclerotium**
[Hemiptera: Pseudococcidae]
Rastrococcus invadens 4517
- Hirsutella fusiformis**
[Coleoptera: Curculionidae]
Brachyderes incanus 5474
- Hirsutella gigantea**
[Hymenoptera: Pamphiliidae]
Unknown species 30
- Hirsutella guyana**
[Hemiptera: Cicadellidae]
Unknown species 2352 2387
Empoasca kraemeri 878 879 881 882
883 2993
- Hirsutella haptospora**
[Acari: Uropodina]
Unknown species 2226
- Hirsutella illustris**
[Hemiptera: Aphididae]
Eriosoma lanigerum 5539
- Hirsutella kirchneri**
[Acari]
Unknown species 5550
[Acari: Eriophyidae]
Abacarus hystrix 5551
- Hirsutella lecanicola**
[Hemiptera: Coccidae]
Parthenolecanium corni 8888
- Hirsutella liboensis**
[Lepidoptera: Cossidae]
Unknown species 9603
- Hirsutella longicolla var. cornuta**
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 177 178
- Hirsutella minnesotensis**
[Tylenchida: Heteroderidae]
Heterodera glycines 7288 7289 7290
7291 7294
- Hirsutella myrmicarum**
[Hymenoptera: Formicidae]
Myrmica rubra 11864
- Hirsutella necatrix**
[Acari]
Unknown species 5549
- Hirsutella nodulosa**
[Lepidoptera: Pyralidae]
Dioryctria zimmermani 5473
- Hirsutella nr. haptospora**
[Diptera: Itonididae]
Unknown species 2228
- Hirsutella radiata**
[Diptera: ?Lauxaniidae]
Unknown species 1369
- Hirsutella repens**
[Hemiptera: Delphacidae]
Nilaparvata lugens 2348 2359 2394
- Hirsutella rhossiliensis**
[Thysanoptera: Thripidae]
Unknown species 11820
[Tylenchida: Criconematidae]
Criconemella curvata 2007
Criconemella xenoplax 2006 2008 3744
3746 3747 3748 3750 3754
[Tylenchida: Heteroderidae]
Heterodera glycines 7286 7287 7292
7293 7295
Heterodera humuli 2894
Heterodera schachtii 2788 2789 2790
2791 2792 2794 2931 2932 2933
3761
- Hirsutella satumaensis**
[Lepidoptera: Pyralidae]
Dioryctria sylvestrella 996
- Hirsutella sinensis**
[Lepidoptera: Hepialidae]
Unknown species 6282
- Hirsutella strigosa**
[Hemiptera: Cicadellidae]
Nephotettix virescens 2197
[Hemiptera: Delphacidae]
Nilaparvata lugens 2044
- Hirsutella subulata**
[Lepidoptera: Microlepidoptea]
Unknown species 2227

Hirsutella thompsonii

- [Acari]
Unknown species 2800
[Acari: Eriophyidae]
Calacarus heveae 6633
Colomerus novaehbridensis 258 414
Eriophyes guerreronis 256 257
Eriophyes sheldoni 255 2459
Phyllocoptruta oleivora 137 241 253
259 2012 2464
[Acari: Tarsonemidae]
Unknown species 1947
[Acari: Tenuipalpidae]
Dolichotetranychus floridanus 3323
[Acari: Tetranychidae]
Tetranychus 9457
[Coleoptera: Carabidae]
Unknown species 11819

Hirsutella thompsonii var. syn-nematosa

- [Acari: Tetranychidae]
Mononychellus tanajoa 5412

Hirsutella thompsonii var. vinacea

- [Acari: Eriophyidae]
Acalitus vaccinii 254

Hirsutella versicolor

- [Hemiptera: Cicadellidae]
Idiocerus nitidulus 4512
[Hemiptera: Membracidae]
Unknown species 1034 1037

Hirsutella verticillioides

- [Hemiptera: Cicadellidae]
Idioscopus clypealis 2599

Humicola sp.

- [Lepidoptera: Lymantriidae]
Lymantria dispar 2069

Hymenostilbe sphecophila

- [Hymenoptera]
Unknown species 6292

Hymenostilbe verrucosa

- [Araneida]
Unknown species 2002

Hypocrella discoidea

- [Hemiptera: Coccoidea]
Unknown species 7681

Hypocrella javanica

- [Hemiptera: Coccoidea]
Unknown species 7605

Hypocrella panamensis

- [Hemiptera: Coccoidea]
Unknown species 8361

Hypocrella raciborskii

- [Hemiptera: Coccoidea]
Unknown species 7606

Isaria sp.

- [Coleoptera]
Unknown species 9519
[Diptera: Tipulidae]
Unknown species 9508
[Hemiptera: Adelgidae]
Adelges tsugae 11630
[Hemiptera: Psyllidae]
Unknown species 9517
[Hemiptera: Scutelleridae]
Eurygaster 10363 10364 10365 10366
10367 10368 10369 10370 10371
10372 10373 10374 10375 10376
10377 10378 10379 10380 10381
10382 10383 10384 10385 11631
11632 11633 11634 11635 11636
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10162
10231 10232 10233 11629

Isaria amoenerosea

- [Coleoptera: Lagriidae]
Lagria vilosa 741 744 2220 2958 2959
2960 4097
[Coleoptera: Meloidae]
Unknown species 4849

Isaria andoi

- [Diptera: Cecidomyiidae]
Resseliella odai 1684

Isaria cateniannulata

- [Coleoptera: Curculionidae]
Unknown species 6241
Brachyderes incanus 6243
[Lepidoptera]
Unknown species 6240 9601 11722
[Lepidoptera: Lymantriidae]
Lymantria dissoluta 6242

Isaria cateniannulata(?)

- [Lepidoptera: Arctiidae]
Hyphantria cunea 12166

Isaria cateniobliqua

- [Coleoptera]
Unknown species 6244
[Orthoptera: Acridoidea]
Unknown species 6283

Isaria cicadae

- [Lepidoptera]
Unknown species 11726

Isaria coleopterorum

- [Coleoptera: Lampyridae]
Unknown species 9509
[Diptera: Tipulidae]
Unknown species 10163

Isaria farinosa

- [Acari]
Unknown species 11825
[Araneida]
Unknown species 2376
[Araneida: Araneae]
Unknown species 5191
[Coleoptera]
Unknown species 2355 9516
[Coleoptera: Buprestidae]
Agriilus planipennis 9944 9945
[Coleoptera: Carabidae]
Unknown species 11831
Agonum dorsale 4029 4044
Bembidion lampros 4043
Hapalus sp. 4045
[Coleoptera: Cerambycidae]
Unknown species 5073 5074 5075 5080
7276
Anoplophora glabripennis 8411
[Coleoptera: Chrysomelidae]
Unknown species 6491
Pyrrhalta luteola 1507 1508
[Coleoptera: Coccinellidae]
Unknown species 5754 5834
[Coleoptera: Curculionidae]
Unknown species 11830
Otiiorhynchus sulcatus 2937
Premnotrypes vorax 799
Sitona lineatus 4039
[Coleoptera: Lagriidae]
Lagria vilosa 1957
[Coleoptera: Scarabaeidae]
Unknown species 6488 6489
[Coleoptera: Scolytidae]
Dendroctonus micans 9269 9270 9275
9276 9277 9278
[Coleoptera: Silphidae]
Unknown species 9511
[Coleoptera: Staphylinidae]
Staphylinus olens 4040
[Coleoptera: Tenebrionidae]
Unknown species 5699 11827
Alphitobius diaperinus 5858
Tenebrio molitor 8917
[Coleoptera: Elateroidea]
Unknown species 11710
[Collembola]
Unknown species 6482
[Diptera]
Unknown species 10156 10160 10165
11834
[Diptera: Bibionidae]
Unknown species 11828
[Diptera: Culicidae]
Aedes albifasciatus 2971
Aedes sierrensis 1939
[Diptera: Muscidae]
Unknown species 11832
[Diptera: Simuliidae]
Unknown species 11826
[Diptera: Tachinidae]
Unknown species 1348 1349
[Diptera: Tipulidae]
Unknown species 11824

[Diptera: Xylophagidae]	3518 3519 3520 3521 3522 3523	[Diptera]	Unknown species 887
Unknown species 9512	3524 3525 3526 3533 3595 3596	[Diptera: ?Stratiomyidae]	Unknown species 2425
[Hemiptera: Adelgidae]	3597 3598 3599 3664 3665 3666	[Diptera: Calliphoridae]	<i>Calliphora</i> 1646
<i>Adelges tsugae</i> 5178 5760 5761 5774	[Lepidoptera: Noctuidae]	[Diptera: Muscidae]	<i>Musca autumnalis</i> 1626
5775 5776 5784 5788 5790 5792	<i>Agrotis segetum</i> 4010	<i>Musca domestica</i> 1644 1645 1867 1868	5860
5797 5799 5800 5801 5802 5826	<i>Rivula atimeta</i> 2344	[Hemiptera: Aleyrodidae]	<i>Bemisia</i> 3313 3800 6797 6798
5827 5830 6028 6029 6030 6031	<i>Spodoptera</i> 2546	<i>Bemisia argentifolii</i> 5154 5155 5156	5157 5158 5159 5462 5463 5464
6032 6033 6034 6036 6037 6038	[Lepidoptera: Notodontidae]	<i>Bemisia tabaci</i> 3076 3083 3322 3408	3581 3590 3594 3660 3662 3663
6048 6049	<i>Quadicalcarifera punctatella</i> 1042	3699 3700 3843 3848 3851 3878	3889 4482 4483 4484 4485 4486
[Hemiptera: Aleyrodidae]	[Lepidoptera: Nymphalidae]	4490 4491 4492 4493 4494 4495	4496 4497 4498 4499 4501 4502
<i>Aleurocanthus woglumi</i> 2954	Unknown species 981	4503 5085 5086 5087 5088 5089	5090 5107 5113 5115 5116 5117
<i>Bemisia tabaci</i> 3572 3574 3575 3576	<i>Chlosyne lacinia saundersii</i> 1065	5118 5119 5121 5122 5260 5261	5262 5263 5264 5265 5266 5267
3578 3579 3580 3582 3583 3584	[Lepidoptera: Pyralidae]	5268 5269 5270 5271 5272 5297	5298 5299 5300 5301 5302 5303
3585 3586 3587 3588 3589 3591	<i>Galleria mellonella</i> 7531 7574 7575	5304 5305 5307 5308 5309 5310	5311 5312 5313 5314 5315 5316
3592 3593 3658 3659 3661 5081	7576 7961 7962 8770 11656	5317 5318 5319 5320 5322 5323	5324 5325 5326 5327 5328 5329
5082 5083 5084 5306	<i>Ostrinia nubilalis</i> 3983	5330 5331 5475 5476 6434 6435	6562
<i>Trialeurodes vaporariorum</i> 4412	[Lepidoptera: Sesiidae]	<i>Trialeurodes vaporariorum</i> 2658 4205	4401 4404 4406 4407 4408 4409
[Hemiptera: Aphididae]	<i>Conopia myopaeformis</i> 1108	4410 4411 4413 4414 4415 6916	7051 7204 7205 8716 8717 8718
<i>Diuraphis noxia</i> 6222 6609 6983	[Lepidoptera: Tortricidae]	8719 8720 8721 8723 8724 8725	8726 8727 8728 8729 8730 8928
[Hemiptera: Coccidae]	<i>Cydia pomonella</i> 975 5883 5884 5885	[Hemiptera: Aphididae]	Unknown species 3682 4400 6789
Unknown species 9513	6200 6202 6207	<i>Diuraphis noxia</i> 3824 4383 4459 4460	4461 4698 4699 4700 4701 4702
[Hemiptera: Lygaeidae]	<i>Laspeyresia medicagicus</i> 1225	4703 4704 4705 4706 4707 4708	4709 4710 4711
Unknown species 6496	<i>Lobesia botrana</i> 1111	<i>Myzus persicae</i> 3458	[Hemiptera: Delphacidae]
[Hemiptera: Miridae]	[Opiliones]	<i>Nilaparvata lugens</i> 2198	[Hemiptera: Miridae]
Unknown species 6607	Unknown species 5194	<i>Adelphocoris</i> 1530 1532	<i>Adelphocoris</i> 1530 1532
[Hemiptera: Pentatomidae]	[Thysanoptera: Thripidae]	[Hemiptera: Pentatomidae]	Unknown species 3429
Unknown species 11833	Unknown species 11822 11823	[Hemiptera: Pseudococcidae]	<i>Phenacoccus solani</i> 2247
<i>Aelia</i> 6097 6098 6493 6497	<i>Taeniothrips inconsequens</i> 3564 10155	<i>Heteropsylla incisa</i> 2175	[Hemiptera: spf. Fulgoroidea]
[Hemiptera: Scutelleridae]	10157 10158 10159 10161	Unknown species 7050	[Hymenoptera: Aphelinidae]
<i>Eurygaster</i> 5675 5676 5679 6012 6017		<i>Eretmocerus californicus</i> 5253 5254	5255 5256 5257 5258
6020 6044 6481 6490 6495	Isaria farinosa (?)	[Lepidoptera]	Unknown species 5251 5252 7743 9520
<i>Eurygaster integriceps</i> 6288	[Hemiptera: Psyllidae]	[Lepidoptera: Arctiidae]	Unknown species 5251 5252 7743 9520
[Hymenoptera]	Unknown species 7219	<i>Hyphantria cunea</i> 1568 1569 1577	1578 1579 10224 12172 12173
Unknown species 7249 7262	Isaria flavovirescens	12174 12175 12177	
[Hymenoptera: Eulophidae]	[Diptera: Cecidomyiidae]		
Unknown species 11835	<i>Resseliella odai</i> 1686		
[Hymenoptera: Formicidae]			
Unknown species 7728 9510	Isaria fumosorosea		
[Hymenoptera: Formicoidea]	[Acari]		
Unknown species 9514	Unknown species 6610		
[Hymenoptera: Pamphiliidae]	[Acari: Ixodidae]		
<i>Acantholyda erythrocephala</i> 5548	<i>Ixodes ricinus</i> 7069		
[Hymenoptera: Tenthredinidae]	[Coleoptera]		
<i>Pristiphora erichsonii</i> 1851	Unknown species 5694 7716 9602		
[Lepidoptera]	[Coleoptera: Buprestidae]		
Unknown species 2822 3152 4090 5996	<i>Agrilus planipennis</i> 8142		
6245 7118 7714 7720 7722 7723	[Coleoptera: Chrysomelidae]		
7724 7725 7726 7730 7731 7733	Unknown species 8840		
7734 7736 7737 11721 11829	<i>Pyrrhalta luteola</i> 1506		
[Lepidoptera: Arctiidae]	<i>Spaethiella</i> 2956		
<i>Pyrrharctia isabella</i> 3017	[Coleoptera: Coccinellidae]		
[Lepidoptera: Cossidae]	<i>Coccinella septempunctata</i> 9521		
<i>Prionoxystus robiniae</i> 2269	[Coleoptera: Lagriidae]		
[Lepidoptera: Geometridae]	<i>Lagria vilosa</i> 722 2216 2217 2219 2221		
<i>Alosophila pometaria</i> 5368	[Coleoptera: Scarabaeidae]		
<i>Lambdina athasaria</i> 3537 3538	<i>Popillia japonica</i> 2679		
[Lepidoptera: Lasiocampidae]	<i>Rhopaea magnicornis</i> 8892		
Unknown species 9515	[Coleoptera: Scolytidae]		
<i>Malacosoma americanum</i> 3	<i>Hypothenemus hampei</i> 6730 7284		
[Lepidoptera: Lymantriidae]	[Coleoptera: Tenebrionidae]		
<i>Leucoma salicis</i> 38	<i>Alphitobius diaperinus</i> 5844 5845 5846		
<i>Lymantria dispar</i> 20 648 697 2057	5847		
2131 2564 2835 3221 3490 3491	<i>Tenebrio molitor</i> 5627		
3492 3493 3494 3495 3496 3497	[Dictyoptera: Blattellidae]		
3498 3499 3500 3501 3502 3503	<i>Blattella germanica</i> 5855		
3504 3505 3506 3507 3508 3517			

- [Lepidoptera: Bombycidae]
Bombyx mori 720 989 1005
- [Lepidoptera: Lymantriidae]
Lymantria dispar 6206
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Spodoptera 2734
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Plutella xylostella 2749 5874 6799 6800
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Diaphania hyalinata 3302
Galleria mellonella 6893 8333 8337
8345 8348 8448 9380 11657 11658
11659
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Cydia pomonella 6192 6203 6204
- Isaria guaensis**
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Unknown species 2152
- Isaria javanica**
[Coleoptera]
Unknown species 7119
[Coleoptera: Curculionidae]
Litodactylus leucogaster 322
- [Hemiptera: Aleyrodidae]
Bemisia 3303
Bemisia tabaci 3573 3577 3776 3778
5259 5321
Trialeurodes vaporariorum 7477
- [Lepidoptera: Noctuidae]
Mamestra brassicae 3981
- Isaria poprawskii**
[Hemiptera: Aleyrodidae]
Bemisia argentifolii 7028
- Isaria sinclairii**
[Hemiptera: Cicadidae]
Mogannia hebes 6925
- Isaria tenuipes**
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Unknown species 9533
- [Lepidoptera]
Unknown species 5134 5135 6249 7790
9531 9532 9534 11705 11706 11707
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Unknown species 3938 3939 4096
Mocis latipes 6889
Spodoptera frugiperda 2488 2489 2490
2491
- [Lepidoptera: Nymphalidae]
Agraulis vanillae 6788
- Lagenidium caudatum**
[Dorylaimida: Longidoridae]
Xiphinema rivesi 2003
- Lagenidium giganteum**
[Diptera: Ceratopogonidae]
Forcipomyia marksae 2529 2530 2531
2532
- [Diptera: Culicidae]
Unknown species 748 3326
Aedes melanimon 3327
Culex tarsalis 1384
Culex territans 749
Culiseta melanura 373
- Lasiodiplodia theobromae**
[Hymenoptera: Formicidae]
Anoplolepis longipes 2170
- Lecanicillium sp.**
[Acari]
Unknown species 7373 10164 10215
10216 10217 10218
- [Coleoptera: Elateridae]
Unknown species 7635 7636
- [Coleoptera: Silphidae]
Unknown species 9459
- [Diptera: Bibionidae]
Unknown species 11798
- [Diptera: Xylophagidae]
Unknown species 7634 7849
- [Hemiptera: Adelgidae]
Adelges tsugae 9175 9176 9924 9925
9926 11648 12089
- [Hemiptera: Aphididae]
Toxoptera citricida 2009
- [Hemiptera: Coccidae]
Parthenolecanium 12052 12053 12054
12055 12056 12057 12058 12059
12060 12061 12062 12063 12064
12065 12066 12067 12068 12069
12070 12071
Parthenolecanium corni 7622
- [Hemiptera: Coccoidea]
Unknown species 9177
- [Hemiptera: Ortheziidae]
Orthezia urticae 9466
- [Hemiptera: Tingidae]
Leptopharsa heveae 8639
- [Hymenoptera: Formicidae]
Pogonomyrma occidentalis 7544
- [Hymenoptera: Vespidae]
Vespa 7630
- [Lepidoptera]
Unknown species 7624 7625 7626 7627
7628 7629 7632
- [Lepidoptera: Tortricidae]
Tortrix viridana 9458
- [Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11696
- [Thysanoptera: Thripidae]
Unknown species 9930 9931 9935 9936
Taeniothrips inconsequens 3253 3254
3255 3259 3260 10154 10187 10188
10189 10190 10192 10193 10195
10196 10197 10198 10199 10200
10201 10202 10203 10206 10207
10208 10209 10210 10211 10212
10213 10214 10287 10288 10289
10290 10291 10294 10295 10296
10297 10298 10299 10300 10301
10302 10303 10304 10305 10306
- Lecanicillium aphanocladii**
[Acari: Tetranychidae]
Tetranychus urticae 9615
- [Hemiptera: Aphididae]
Myzus nr. *persicae* 2324
- [Hemiptera: Pseudococcidae]
Paracoccus marginatus 9611
- Lecanicillium aphanocladii(?)**
[Hemiptera: Tingidae]
Leptopharsa heveae 7985 7986
- Lecanicillium evansii(?)**
[Coleoptera]
Unknown species 11805
- [Diptera]
Unknown species 11785 11795
- [Diptera: Simuliidae]
Unknown species 11796
- [Hemiptera: Aphididae]
Unknown species 11797
- [Hymenoptera]
Unknown species 11804
- [Hymenoptera: Trichogrammatidae]
Unknown species 11806
- [Protura]
Unknown species 11807
- [Thysanoptera: Thripidae]
Unknown species 11789 11791 11792
11793 11794 11809
- Lecanicillium flavidum**
[Agaricales: Entolomataceae]
Entoloma 4519
- Lecanicillium fungicola**
[Coleoptera: Elateridae]
Unknown species 9483
- [Hemiptera: Aleyrodidae]
Unknown species 9482
- Lecanicillium fusisporum**
[Hemiptera: Aphididae]
Myzus persicae 5583
- [Thysanoptera: Thripidae]
Unknown species 11787 11808
- Lecanicillium fusisporum(?)**
[Diptera: Muscidae]
Musca domestica 5578 5579
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 10184
- Lecanicillium lecanii**
[Araneida]
Unknown species 1905
- [Coleoptera: Buprestidae]
Agilus planipennis 8115
- [Coleoptera: Cerambycidae]
Plectrodera scalator 7181 7182
- [Coleoptera: Chrysomelidae]
Pyrrhalta luteola 1505
- [Hemiptera: Adelgidae]
Adelges tsugae 5759 5785 5787 5794
5829 11817
- [Hemiptera: Aleyrodidae]
Trialeurodes vaporariorum 7207
- [Hemiptera: Aphididae]
Unknown species 6887
Aphis rumicis 7530
Brevicoryne brassicae 1787
Diuraphis noxia 5706
Myzus cerasi 6915
Myzus persicae 3387 7462
Uroleucon ambrosiae 6886

- [Hemiptera: Coccidae]
 Unknown species 6888
Ceroplastes 6791
Coccus viridis 2149 2150
- [Hemiptera: Coccoidea]
 Unknown species 7408 7550
- [Hemiptera: Lecaniidae]
Lecanium viridis 555
- [Hemiptera: Scutelleridae]
Eurygaster 6010
- [Thysanoptera: Thripidae]
Frankliniella occidentalis 3683 3688
- Lecanicillium lecanii(?)**
- [Diptera: Muscidae]
Haematobia irritans 5584 5585
- [Hemiptera: Aleyrodidae]
Trialeurodes vaporariorum 4060
- [Hemiptera: Aphididae]
 Unknown species 5581
Diuraphis noxia 3882 3883 3884
- [Hemiptera: Coccidae]
Coccus hesperidum 6289
- [Hemiptera: Diaspididae]
Fiorinia externa 11815
- [Lepidoptera: Tortricidae]
Cydia pomonella 1109
- [Thysanoptera: Thripidae]
Frankliniella occidentalis 3689
Thrips tabaci 5580
- Lecanicillium longisporum**
- [Coleoptera: Staphylinidae]
Tachyporus hypnorum 4050
- [Hemiptera: Aleyrodidae]
Trialeurodes vaporariorum 7206 7461
- [Hemiptera: Aphididae]
 Unknown species 974 7457 7458 7459
 7783 7784 7923 8042
Macrosiphoniella sanborni 5126
Myzus persicae 1026
Rhopalosiphum nymphaeae 321
Toxoptera citricida 2460
- [Thysanoptera: Thripidae]
 Unknown species 3701
- Lecanicillium muscarium**
- [Araneida]
 Unknown species 9467
- [Coleoptera: Buprestidae]
Agrilus planipennis 8114 8118 8157
 8163 8165
- [Coleoptera: Curculionidae]
 Unknown species 7248
Hypera postica 1328 1401 1402 1403
Pissodes strobi 8048 8049 8050 8051
 8052 8053 8054
Sitona lineatus 4033
- [Coleoptera: Melyridae]
Malachius bipustulatus 1335
- [Coleoptera: Scolytidae]
Dendroctonus micans 4036 9267 9268
Ips 11803
- [Coleoptera: Tenebrionidae]
Tenebrio molitor 8923
- [Diptera]
 Unknown species 7224 9470 10173
- [Diptera: Culicidae]
Ochlerotatus triseriatus 810
- [Diptera: Psychodidae]
Lutzomyia saulensis 3418
- [Diptera: Tipulidae]
 Unknown species 2329
- [Hemiptera: Adelgidae]
Adelges tsugae 5165 5772 5778 5779
 5780 5782 5791 5795 5798 5822
 5828 6035 11818
- [Hemiptera: Aleyrodidae]
 Unknown species 3709
Trialeurodes vaporariorum 972 5128
 7460
- [Hemiptera: Aphididae]
 Unknown species 2659 7034
Aphis fabae 7785
Diuraphis noxia 2862 2877 2878 3000
 3861
Macrosiphum euphorbiae 204 2858
Myzus nr. *persicae* 2323 2325 2326
Myzus cerasi 6914
Myzus persicae 3324 7782 8714
Pemphigus betae 3464
Sitobion avenae 2334
- [Hemiptera: Cicadellidae]
 Unknown species 7037
- [Hemiptera: Coccidae]
Ceroplastes 7375
Coccus viridis 1774 6792
Parthenolecanium 11736
Parthenolecanium corni 8041
Pulvinaria floccifera 980
Saissetia oleae 1029
- [Hemiptera: Coccoidea]
 Unknown species 7633
- [Hemiptera: Delphacidae]
Delphacodes kuscheli 7781
- [Hemiptera: Eriococcidae]
Cryptococcus fagisuga 3740
- [Hemiptera: Margarodidae]
Icerya purchasi 1033
- [Hemiptera: Pentatomidae]
Palomena prasina 11730 11731 11733
 11734
- [Hemiptera: Scutelleridae]
Eurygaster 6118
- [Hymenoptera: Ichneumonidae]
 Unknown species 1330
- [Lepidoptera]
 Unknown species 7621 7738 9468 9469
 9477 11802
- [Lepidoptera: Cossidae]
Cossula cossus 973 1102
- [Lepidoptera: Lymantriidae]
Lymantria dispar 2065 2066 3531 3600
 3601
- [Lepidoptera: Pyralidae]
Galleria mellonella 7568
Ostrinia nubilalis 900
- [Lepidoptera: Tortricidae]
Adoxophyes orana 994
Cydia pomonella 6591
- [Pucciniales]
 Unknown species 9471 9472
- [Pucciniales: Phragmidiaceae]
Phragmidium 7631
- [Thysanoptera: Thripidae]
 Unknown species 2923
Frankliniella occidentalis 3684 3685
 3686 3690 3691
Taeniothrips inconsequens 10178
- [Uredinales]
Hemileia vastatrix 6699
- Lecanicillium muscarium(?)**
- [Coleoptera: Buprestidae]
Agrilus planipennis 8162
- [Coleoptera: Curculionidae]
Conotrachelus nenuphar 8265
- [Hemiptera: Adelgidae]
Adelges tsugae 5777 11816
- [Hemiptera: Aleyrodidae]
 Unknown species 9464
- [Hemiptera: spf. Coccoidea]
 Unknown species 9463
- [Lepidoptera: Tortricidae]
Cydia pomonella 1032
- [Pucciniales: Phragmidiaceae]
Phragmidium 9462
- [Thysanoptera: Thripidae]
Frankliniella occidentalis 3687
- Lecanicillium nr. aranearum**
- [Coleoptera: Elateridae]
 Unknown species 11811
- [Coleoptera: Lampyridae]
 Unknown species 9460
- [Coleoptera: Scolytidae]
Ips 11799
- Lecanicillium pissodis**
- [Coleoptera: Curculionidae]
Pissodes strobi 8055 8056 8057
- Lecanicillium psalliotae**
- [Acari: Tenuipalpidae]
Raoiella indica 8890
- [Diptera]
 Unknown species 10179
- [Diptera: Psychodidae]
Lutzomyia sordelli 3416
- [Hemiptera: Aleyrodidae]
Bemisia tabaci 5582 6436
- [Hemiptera: Aphididae]
 Unknown species 9474
Sitobion avenae 2332
- [Hemiptera: Margarodidae]
Icerya aegyptica 6581 6582
- [Hemiptera: Pseudococcidae]
Rhizoecus 2234 2235
- [Hemiptera: Scutelleridae]
Eurygaster 5666 5681 5683 5763 5835
 6071
- [Lepidoptera]
 Unknown species 5685
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 10170
 10175 10176 10177 10180 10181
 10182
- [Tylenchida: Heteroderidae]
Meloidogyne hapla 4960 4965

- [Uredinales]
Olivea colebrookeae 5249
- Lecanicillium psalliotae(?)**
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10183
- Lecanicillium sp. 2(?)**
[Coleoptera]
Unknown species 2832
- Lecanicillium wallacei(?)**
[Diptera]
Unknown species 10172 10174
- Lecanicillium(?) sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 9369
- Legeriosimilis sp.**
[Trichoptera]
Unknown species 9066
- Leptolegnia sp.**
[Dorylaimida: Longidoridae]
Xiphinema 2004
- Leptolegnia chapmanii**
[Diptera: Culicidae]
Aedes aegypti 6718
Aedes albifasciatus 5499 7787
Culex 2682
Culex pipiens quinquefasciatus 2681
Mansonia titillans 2562 2680
- Macrobotophthora vermicola**
[Rhabditida: Rhabditidae]
Cruzanema lambdiense 650
- Mariannaea elegans**
[Diptera]
Unknown species 9455 9456
- Mariannaea pruinosa**
[Lepidoptera: Limacodidae]
Iragoides fasciata 5413
- Mariannaea sp.**
[Hymenoptera: Vespidae]
Unknown species 11814
[Thysanoptera: Thripidae]
Unknown species 9932 9933 9934
11812 11813
Taeniothrips inconsequens 2930 3252
3257 3258 3261 3262 3263 3264
3265 3267 3268 3269 3270 3315
3316 3317 3549 3554 3555 3557
3558 3559 3562 3563 10150 10151
10152 10153 10185 10194 10204
10205
- Massospora cicadina**
[Hemiptera: Cicadidae]
Magiccicada septendecim 374
- Metarhiziopsis microspora**
[Hemiptera: Diaspididae]
Fiorinia externa 8676 8984 8985 8986
8987 8988 11842 11843 11851
- Metarhizium sp.**
[Coleoptera: Chrysomelidae]
Unknown species 11849
Agelastica alni 7643
[Coleoptera: Scarabaeidae]
Amphimallon solstitiale 11668 11669
11685 11686
Dermolepida albohirtum 7493
Rhopaea magnicornis 7495 8851 8852
8855 8856 8857
[Hemiptera: Cicadellidae]
Unknown species 2353
[Hemiptera: Cicadidae]
Unknown species 7645
[Lepidoptera: Pyralidae]
Galleria mellonella 4997 4998 4999
5000 5001 5076 5077
[Orthoptera: Catantopidae]
Calliptamus italicus 8699
[Orthoptera: Pyrgomorphidae]
Zonocerus variegatus 3615 3618
[Thysanoptera: Thripidae]
Unknown species 11839
- Metarhizium acridum**
[Orthoptera: Acrididae]
Unknown species 5735
Austracris guttulosa 324 4605
Locusta migratoria capito 5736
Ornithacris cavroisi 3341 7486
Patanga succincta 3609
Schistocerca piceifrons 5747 5748 5750
[Orthoptera: Acrididae: Cyrtacanthacridinae]
Kraussaria angulifera 3612 6421
[Orthoptera: Pyrgomorphidae]
Zonocerus elegans 3391
- Metarhizium album**
[Hemiptera: Cicadellidae]
Unknown species 2081
Cofana spectra 2082
Nephotettix virescens 1840 1941 1942
1943 2176 2178
Recilia dorsalis 2179
- Metarhizium anisopliae**
[Diptera]
Unknown species 9487
- Metarhizium anisopliae sensu lato**
[Acari: Ixodidae]
Boophilus 4556
[Araneida]
Unknown species 5851
[Coleoptera]
Unknown species 4290 4333 4334 4335
4336 4337 4338 4339 4340 4341
4557 4558 4572 4582
Haplochelus marginalis 3148
[Coleoptera: Bruchidae]
Unknown species 932 954
[Coleoptera: Carabidae]
Unknown species 939 1901
[Coleoptera: Cerambycidae]
Agrianome spinicollis 7498 7499 7500
Anoplophora glabripennis 6388 6389
7180
- [Coleoptera: Chrysomelidae]
Brontispa longissima 8745 8746 8747
Cerotoma arcuata 760 2076 2077 2635
2941
Diabrotica 1885 2513
Diabrotica speciosa 1056 1958
[Coleoptera: Coccinellidae]
Coleomegilla maculata 808
[Coleoptera: Curculionidae]
Unknown species 8098 8099
Blosyrus asellus 9217 9218
Chalcodermus aeneus 725 929
Desiantha diversipes 8568 8569
Geraeus senilis 3305 3306 3308
Listronotus maculicollis 9374
Otiorhynchus ligustici 4819 4820 4821
4822 4823 4824
Otiorhynchus sulcatus 818 6549
Rhabdoscelus obscurus 8762 8828 8847
Sternechus subsignatus 1989
[Coleoptera: Elateridae]
Unknown species 8543 8544 8545 8546
8547 8548 11850
Agriotes 6551 7494 7524
Agriotes sputator 1377
Conoderus 1903
Limonius canus 7000 7001 7002 7003
7004 7005 7006 7007 7008 7009
[Coleoptera: Scarabaeidae]
Unknown species 2163 3479 7527 7529
Adoryphorus coulonii 4137 4138 4141
4142 4239 4346 4677 4716 4722
7815
Amphimallon majale 9373
Anomola 8738 8739 8740 8741 8742
8743
Anoplognathus 8764
Anoplognathus hirsutus 4574 4779
Antitrogus consanguineus 8761
Antitrogus mussoni 7842 7865 7931
Antitrogus parvulus 7496 7819 7839
7854 7864 8832 8833 8834 8893
Aphodius tasmaniae 4125 4132 4133
4139 7845
Costelytra zealandica 3056 3057
Cotinis nitida 11951
Cyclocephala 8837 8838
Dasygnathus dejeani 8839
Dermolepida albohirtum 7452 7492
8744 8754 8755 10469
Heteronychus arator 7932 7933 7934
7935 7936 8549 8550 8551 8552
8553 8554 8555 8556 8557 8576
8848 8849
Heteronyx 7843 7844 8586
Heteronyx piceus 7451 8500 8558 8559
8582 8583 8592 8615 8616 8617
8618 8619 8620 8621
Heteronyx rugosipennis 8563 8564
8565 8566 8567 8577 8610
Lepidiota consobrina 7411 7827 7828
7846 8830 8831 8845 8850
Lepidiota frenchi 7829 7830 7831 8733
Lepidiota gibbifrons 7824 7825 7826
Lepidiota negatoria 7832
Lepidiota noxia 7504

<i>Lepidiota picticollis</i> 8501	[Hemiptera: Aphididae]	8535 8536 8537 8538 8539 8540
<i>Lepidiota squamulata</i> 7816	<i>Diuraphis noxia</i> 3822	8541 8542 8575
<i>Melolontha melolontha</i> 7532	<i>Pemphigus trehernei</i> 6570	[Isoptera: Termitidae]
<i>Oryctes</i> 2156 2165 2166 2167	[Hemiptera: Cercopidae]	<i>Drepanotermes perniger</i> 8062
<i>Pachmoda interrupta</i> 6670 6671 6672	Unknown species 1282 1299 1379 1382	<i>Microcerotermes</i> 8590 8591
6673 6674 6675 6677 6678 6679	1890 1891 1895 1899 1902 1911	<i>Nasutitermes exitiosus</i> 8060 8061 8068
6680 6682 6683 6684 6685	3147 3307 7474 7475 7476 8376	8069 8070 8071 8075 8080 8082
<i>Papuana</i> 8748	8498 8527	8083 8084 8085 8086 8090 8091
<i>Phyllopertha horticola</i> 6901	<i>Aeneolamia varia</i> 6319 6342 6343 6345	8097 8100 8229 8230 8570
<i>Phyllophaga ?anxia</i> 2135 2136 2137	6346	[Lepidoptera]
2138 2139	<i>Deois</i> 2521	Unknown species 1094 2424 9541
<i>Phyllophaga anxia</i> 8499	<i>Deois flavopicta</i> 729 759 782 925 955	[Lepidoptera: Crambidae]
<i>Popillia japonica</i> 1280 2548 3329 3330	1970	Unknown species 3064
3331 3332 3333 3334 3335 3336	<i>Deois incompleta</i> 1449	[Lepidoptera: Hepialidae]
3337 3338 3339 3340 3713 3720	<i>Kanaïma fluvialis</i> 8377	<i>Oncopera alboguttata</i> 7820 7821 7822
4907 4908 9372	<i>Mahanarva posticata</i> 1896 1898	7823
<i>Rhopaea magnicornis</i> 8492 8765 8766	<i>Mahanarva sp.</i> 6321 6322	<i>Oncopera intrucata</i> 4234
8767 8829 8844	<i>Zulia carbonaria</i> 6457 6468	<i>Wiseana sp.</i> 4681
<i>Rhopaea verreauxii</i> 8495	<i>Zulia colombiana</i> 6356	[Lepidoptera: Lasiocampidae]
<i>Sericesthis micans</i> 4568 4777 4778	<i>Zulia pubescens</i> 6323	<i>Malacosoma dissτρια</i> 6167
<i>Sericesthis nigrolineata</i> 4780 7814	[Hemiptera: Cicadellidae]	[Lepidoptera: Noctuidae]
7863	<i>Recilia dorsalis</i> 543	<i>Helicoverpa zea</i> 11637
<i>Sericesthis</i> 4134 4236	[Hemiptera: Cicadidae]	<i>Spodoptera</i> 8735
[Coleoptera: Staphylinidae]	Unknown species 4095	<i>Spodoptera frugiperda</i> 3293
Unknown species 8734	[Hemiptera: Delphacidae]	[Lepidoptera: Nymphalidae]
[Coleoptera: Tenebrionidae]	<i>Nilaparvata lugens</i> 456 457 485 486	<i>Chlosyne lacinia saundersii</i> 1059
<i>Alphitobius diaperinus</i> 5837 5841 5842	487 488 489 1284 1285 1286 1290	[Lepidoptera: Plutellidae]
5848 5850	1300 1304 1726 1727 1728 1744	<i>Plutella xylostella</i> 4522
<i>Tenebrio molitor</i> 8775 8776 8777 8778	1745 1823 2038 2039 7644	[Lepidoptera: Pyralidae]
8779 8780 8781 8782 8783 8784	[Hemiptera: Pentatomidae]	<i>Diatraea saccharalis</i> 3290 3291 3292
8785 8786 8787 8788 8789 8790	<i>Nezara viridula</i> 1055	<i>Eoreuma loftini</i> 5469
8791 8792 8793 8794 8795 8796	<i>Scotinophara coarctata</i> 1432 1548 2341	<i>Galleria mellonella</i> 4904 4905 4906
8797 8798 8799 8858 8859 8860	2342 2343	5369 5513 5514 5515 5516 5517
8861 8862 8863 8864 8865 8866	<i>Tibraca limbativentres</i> 1882 2212 2213	5518 5519 5521 5554 5555 5556
8867 8868 8869 8870 8871 8872	2214	6475 6558 7014 7015 7016 7017
8873 8874 8875 8876 8877 8878	[Hemiptera: Pseudococcidae]	7018 7019 7020 7021 7022 7023
8879 8880 8881 8882 8883 8884	<i>Paracoccus marginatus</i> 9612 9613	7024 7025 7026 7569 7570 7571
8885 8886 8887 8894 8895 8896	[Hymenoptera: Encyrtidae]	7572 7573 7612 7613 7614 7615
8897 8898 8899 8900 8901 8902	<i>Anagyrus</i> 3146	7847 7967 8212 8334 8335 8336
8903 8904 8905 8906 8907 8908	[Hymenoptera: Formicidae]	8338 8341 8342 8344 8346 8347
8909 8910 8911 8912 8913 8914	<i>Atta</i> 2510	8350 8351 8352 8353 8432 8433
8915 8916 8941 8942 8943 8944	<i>Myrmica rubra</i> 7059 7535 7537 7538	8434 8435 8436 8437 8438 8440
8945 8946 8947 8948 8949 8950	<i>Myrmica scabrinodis</i> 7536	8443 8445 8446 8447 8450 8451
8951 8952 8953 8954 8955 9235	[Isoptera]	8452 8453 8454 8560 8660 8662
9236 11945 11946 11947	Unknown species 2949 2951	8665 8669 8680 8681 8682 8683
<i>Tribolium castaneum</i> 3389 5624	[Isoptera: Kalotermitidae]	8684 8685 8686 8687 8688 8689
[Diptera]	<i>Cryptotermes brevis</i> 7927 7928 7930	8690 8691 8692 8769 11661
Unknown species 9939	<i>Neotermes</i> 8731	[Orthoptera]
[Diptera: Anthomyiidae]	[Isoptera: Mastotermitidae]	Unknown species 728 6237
<i>Delia floralis</i> 5520	<i>Mastotermes</i> 7506	[Orthoptera: Acrididae]
[Diptera: Culicidae]	<i>Mastotermes darwiniensis</i> 8581 8584	Unknown species 8608 8609
<i>Ochlerotatus triseriatus</i> 3827	8585 8587 8588 8589	<i>Acrotylus</i> 3605
[Diptera: Ephydriidae]	[Isoptera: Rhinotermitidae]	<i>Oxya multidentata</i> 3619
? <i>Hydrellia</i> 2105	<i>Coptotermes</i> 8063 8089 8092 8093	<i>Phaulacridium vittatum</i> 7862
<i>Scatella tenuicosta</i> 8248 8249	<i>Coptotermes acinaciformis</i> 8064 8081	<i>Schistocerca gregaria</i> 3127 5628
[Diptera: Stratiomyidae]	8087 8088	<i>Schistocerca piceifrons</i> 5746 5749 5752
<i>Boreoides tasmaniensis</i> 4600 4620	<i>Coptotermes formosanus</i> 6909 6910	[Orthoptera: Catantopidae]
<i>Inopus rubriceps</i> 7840 7841 7855 7856	6911 8015	<i>Calliptamus italicus</i> 8696 8698 8701
7857 7858 7859 7860 7861 7914	<i>Coptotermes frenchi</i> 8067	8702
7915 7916 7917 7918 7919 7920	<i>Coptotermes lacteus</i> 8059 8072 8073	[Orthoptera: Gryllidae]
7926 8497	8074 8094 8095 8231 8232 8233	<i>Teleogryllus commodus</i> 435 438 440
[Hemiptera]	8234 8235 8236 8502 8503 8504	441 442 445 7489 7490 8760 8841
Unknown species 4901 4902	8505 8506 8507 8508 8509 8510	8842
[Hemiptera: Adelgidae]	8511 8512 8513 8514 8515 8516	[Orthoptera: Gryllotalpidae]
<i>Adelges tsugae</i> 9590	8517 8518 8531 8532 8533 8534	<i>Gryllotalpa gryllotalpa</i> 11694

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- [Phasmatodea: Phasmatidae]
Unknown species 6236
- [Primates: Hominidae]
Homo sapiens 8759
- [Thysanoptera: Thripidae]
Unknown species 11840
Frankliniella occidentalis 9591
Taeniothrips inconsequens 10135
10136 10137
- Metarhizium anisopliae sensu stricto**
[Coleoptera: Chrysomelidae]
Brontispa longissima 2223
- [Coleoptera: Curculionidae]
Otiorhynchus sulcatus 6546
- [Coleoptera: Elateridae]
Conoderus 2518
- [Coleoptera: Scarabaeidae]
Heteronyx piceus 7450
Holotrichia consanguinea 10475
Holotrichia serrata 10472 10476
Phyllophaga cuyabana 3924
- [Diptera: Stratiomyidae]
Unknown species 7418 7419 7423 7426
7427 7428
- [Hemiptera: Cercopidae]
Unknown species 1045 1912
Aeneolamia varia 798 3621 6347
Deois flavopicta 1044 1900 2517
Mahanarva fimbriolata 7979 7981
Mahanarva posticata 1894 2627 7980
Zulia pubescens 6317 6318
- [Hemiptera: Cicadellidae]
Nephotettix virescens 2153
- [Hemiptera: Delphacidae]
Nilaparvata lugens 2080 2421
- [Hemiptera: Pentatomidae]
Unknown species 755
Tibraca limbativentres 1883
- [Isoptera: Mastotermitidae]
Mastotermes darwiniensis 7430
- [Isoptera: Rhinotermitidae]
Coptotermes lacteus 7432
- [Lepidoptera: Noctuidae]
Helicoverpa zea 1080
Mocis 587
Spodoptera litura 10473
- [Lepidoptera: Pyralidae]
Eoreuma loftini 5471
Ostrinia nubilalis 1489
- [Orthoptera: Acrididae]
Schistocerca gregaria 7487
- [Orthoptera: Gryllotalpidae]
Unknown species 2786
- Metarhizium anisopliae var. acridum**
[Orthoptera: Acrididae]
Unknown species 5734
Austracris guttulosa 7970 8359
- [Orthoptera: Acrididae: Cyrtacanthacridinae]
Kraussaria angulifera 3614
- [Orthoptera: Pyrgomorphidae]
Zonocerus variegatus 3606
- Metarhizium anisopliae var. anisopliae**
[Diptera: Syrphidae]
Eumerus strigatus 6550
- Metarhizium anisopliae var. lepidiotae**
[Coleoptera: Scarabaeidae]
Dermolepida albhirtum 7453
Lepidiota consobrina 8732
- Metarhizium anisopliae var. majus**
[Coleoptera: Scarabaeidae]
Oryctes rhinoceros 2151 3145
Xyloryctes jamaicensis 297 298
- [Lepidoptera: Noctuidae]
Spodoptera 8736
- Metarhizium brunneum**
[Acari: Ixodidae]
Boophilus 3297
- [Coleoptera: Cerambycidae]
Anoplophora glabripennis 6392 7234
8415 8416 8417 8418 8419
- [Coleoptera: Curculionidae]
Unknown species 2210 2224
Otiorhynchus sulcatus 817 820 4228
5198
Sitona lineatus 4020
- [Coleoptera: Elateridae]
Agriotes 2107
- [Coleoptera: Scarabaeidae]
Unknown species 472
Aphodius tasmaniae 346 4131
Diloboderus abderus 6120
Melolontha melolontha 1066
Phyllopertha horticola 6477
Popillia japonica 3864
- [Coleoptera: Tenebrionidae]
Tenebrio molitor 5626
Tribolium castaneum 5625
- [Diptera: Culicidae]
Aedes crinifer 2974
Ochlerotatus triseriatus 3826
- [Hemiptera: Delphacidae]
Nilaparvata lugens 455
- [Hymenoptera: Formicidae]
Solenopsis invicta 3738
- [Isoptera: Rhinotermitidae]
Coptotermes formosanus 3045
- [Lepidoptera: Bombycidae]
Bombyx mori 988
- [Lepidoptera: Hepialidae]
Orycanus 1187
- [Lepidoptera: Lyonetiidae]
Leucoptera scitella 1116
- [Lepidoptera: Noctuidae]
Anticarsia gemmatalis 3295
Spodoptera frugiperda 3294
- [Lepidoptera: Olethreutidae]
Carpocapsa pomonella 1095
- [Lepidoptera: Pyralidae]
Galleria mellonella 6474 8671
- [Lepidoptera: Tortricidae]
Lobesia botrana 1112
- [Orthoptera: Acrididae]
Schistocerca piceifrons 5751
- Metarhizium flavoviride**
[Coleoptera: Curculionidae]
Ceutorhynchus macula-alba 2133
Otiorhynchus sulcatus 2024
- [Coleoptera: Scarabaeidae]
Lachnosterna bidentata 8737
- [Orthoptera: Acrididae]
Chortoicetes terminifera 8758
- Metarhizium flavoviride 'Type E'**
[Hemiptera: Cicadellidae]
Unknown species 2948
- Metarhizium flavoviride var. flavoviride**
[Coleoptera: Curculionidae]
Otiorhynchus sulcatus 1184
- [Coleoptera: Scarabaeidae]
Adoryphorus coulunii 4719 4720
- Metarhizium flavoviride var. minus**
[Hemiptera: Cicadellidae]
Unknown species 2339
Nephotettix virescens 1945
Recilia dorsalis 1546 1547
- [Hemiptera: Delphacidae]
Nilaparvata lugens 1099 1271 1272
1273 1274 1275 1276 1277 1279
1283 1287 1288 1289 1291 1292
1293 1294 1295 1296 1297 1301
1302 1303 1305 1763 1764 1765
1766 1767 1768 1769 1770 1771
1772 1773 2037
- [Orthoptera: Acrididae]
Unknown species 2023
- Metarhizium flavoviride var. no-vazealandicum**
[Lepidoptera: Crambidae]
Unknown species 8214
- Metarhizium flavoviride var. pemphigum**
[Hemiptera: Aphididae]
Pemphigus 7491
Pemphigus trehernei 6569
- [Isoptera: Rhinotermitidae]
Reticulitermes flavipes 9358
- Metarhizium frigidum**
[Coleoptera: Scarabaeidae]
Adoryphorus 4124
- [Isoptera: Rhinotermitidae]
Coptotermes lacteus 7436 7437 7438
7439 7440 7441 7442 7443 7444
7445 7446 7447 7448
- Metarhizium globosum**
[Lepidoptera: Pyralidae]
Pyrausta machaeralis 2596
- Metarhizium guizhouense**
[Coleoptera: Curculionidae]
Mylloceris discolor 3603
Sitona discoideus 819
- [Coleoptera: Scarabaeidae]
Unknown species 683
Melolontha melolontha 977
Papuana woodlarkiana 4604

- [Diptera: Stratiomyidae]
Unknown species 7420
- [Lepidoptera]
Unknown species 6238
- [Lepidoptera: Bombycidae]
Bombyx mori 703
- [Lepidoptera: Noctuidae]
Unknown species 2140
- [Orthoptera: Acrididae]
Pseudosphingonotus savignyi 3611
- Metarhizium lepidiotae**
[Coleoptera: Scarabaeidae]
Dermolepida albohirtum 7488
Lepidiota consobrina 7412
- Metarhizium majus**
[Coleoptera: Scarabaeidae]
Unknown species 1858 1859
Anoplognathus 4566 4601 7505
Oryctes 1914
Oryctes rhinoceros 978 1946
- [Lepidoptera: Bombycidae]
Bombyx mori 1015
- Metarhizium pingshaense**
[Coleoptera]
Unknown species 3210 4342 4610
- [Coleoptera: Cerambycidae]
Anoplophora glabripennis 8420
- [Coleoptera: Chrysomelidae]
Zygogramma bicolorata 2231
- [Coleoptera: Curculionidae]
Diaprepes abbreviata 5197
- [Coleoptera: Scarabaeidae]
Unknown species 2162
Antitrogus mussoni 7417
Antitrogus parvulus 7410
Costelytra zealandica 7435
Oryctes rhinoceros 538
Scapanes australis 3604
- [Diptera: Stratiomyidae]
Unknown species 7414 7421 7422 7425 7429
- [Hemiptera: Cicadellidae]
Nephotettix cincticeps 2043
Nephotettix virescens 2106
- [Hemiptera: Cydnidae]
Scaptorea castanea 1448
- [Hemiptera: Delphacidae]
Nilaparvata lugens 576 1724 1725 1729
- [Hemiptera: Pentatomidae]
Scotinophara coarctata 1545
- [Isoptera: Kalotermitidae]
Cryptotermes brevis 7929
- [Isoptera: Rhinotermitidae]
Coptotermes lacteus 7431
- [Lepidoptera]
Galactica 552
- [Lepidoptera: Noctuidae]
Spodoptera 2735
- [Orthoptera: Acrididae]
Phaulacridium vittatum 7415 7416
Pseudosphingonotus savignyi 3610
- [Orthoptera: Gryllidae]
Ornebius kanetataki 1009
Teleogryllus commodus 436 437 439 443 444 446
- Metarhizium robertsii**
[Coleoptera: Carabidae]
Unknown species 2469
- [Coleoptera: Cerambycidae]
Dectes texanus 6472
- [Coleoptera: Chrysomelidae]
Cerotoma arcuata 724
Diabrotica 2514
- [Coleoptera: Curculionidae]
Curculio caryae 2575 3608
Listronotus oregonensis 2981
Otiorynchus sulcatus 1910
- [Coleoptera: Elateridae]
Conoderus 23 1897
- [Coleoptera: Scarabaeidae]
Ancognatha scarabaeoides 797
Heteronychus arator 7424
Heteronyx 7449
Phyllophaga ?anxia 2134
Popillia japonica 1046 1298 1878 3721 5149
Rhizotrogus majalis 2547 3108 3211 4123
Strigoderma arboricola 1968
- [Coleoptera: Tenebrionidae]
Tribolium castaneum 3388
- [Hemiptera: Cicadidae]
Unknown species 3925
- [Hemiptera: Cydnidae]
?Cirtonemus 1952
- [Hymenoptera: Formicidae]
Atta sexdens rubropilosa 2560
Solenopsis 2561
- [Isoptera: Kalotermitidae]
Kaloterms 7413
- [Isoptera: Rhinotermitidae]
Reticulitermes flavipes 9607
- [Lepidoptera: Nymphalidae]
Chlosyne lacinia saundersii 1057
- [Lepidoptera: Plutellidae]
Plutella xylostella 5873
- [Lepidoptera: Pyralidae]
Galleria mellonella 4903 6476
- [Orthoptera: Tettigoniidae]
Unknown species 727
- Microhilum oncoperae**
[Lepidoptera: Hepialidae]
Oncopera intricata 4358 4769 4770 4771
- Mixed Culture sp.**
[Coleoptera]
Unknown species 11718
- [Coleoptera: Chrysomelidae]
Pyrrhalta fuscipennis 1043
- [Coleoptera: Lampyridae]
Unknown species 5188
- [Coleoptera: Scarabaeidae]
Amphimallon solstitiale 11676
Holotrichia parallela 4387
- [Hemiptera: Aleyrodidae]
Bemisia tabaci 4066
Trialeurodes vaporariorum 4403
- [Lepidoptera: Pyralidae]
Corcyra cephalonica 2738
- Moelleriella umbospora**
[Hemiptera: Coccoidea]
Unknown species 11870 11871
- Monacrosporium cionopagum**
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4966
- Monacrosporium ellipsosporum**
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4957 4959
- Mortierella histoplasmatoides**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2063
- Mortierella hyalina**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2061
- Mucor circinelloides**
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6470
- Mucor fragilis**
[Araneae: Theridiidae]
Latrodectus geometricus 11762
- Mucor sp.**
[Hemiptera: Cercopidae]
Zulia vilior costarricensis 3535
- Myriangium sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 9915 9916 9917 9918 9919 11856 11857 11858
- [Hemiptera: Diaspididae]
Fiorinia externa 11852 11853 11854 11855
- Myriangium duriaei**
[Hemiptera: Diaspididae]
Fiorinia externa 8924 8925
- Myriodontium keratinophilum**
[Hemiptera: Adelgidae]
Adelges tsugae 11838
- [Hemiptera: Diaspididae]
Fiorinia externa 11837
- [Isopoda: Oniscoidea]
Porcellio 368 386
- [Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11698
- Myrothecium sp.**
[Isoptera: Termitidae]
Nasutitermes acajutlae 7804
- Myrothecium verrucaria**
[Diptera: Tipulidae]
Tipula 9359
- Nematoctonus sp.**
[Rhabditida: Rhabditidae]
Bunonema 5663
- Neobarya parasitica**
[Sordariales: Nitschkiaceae]
Bertia moriformis 6156

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Neozygites sp. [Acari: Tetranychidae] <i>Tetranychus urticae</i> 662	<i>Rivula atimeta</i> 1756 1757 1758 1759 1760 2395 <i>Spodoptera</i> 323 358 380 935 6867 <i>Spodoptera exigua</i> 539 <i>Spodoptera frugiperda</i> 1972 3301 4094 6735 6768 6769 6770 6771 6772 6773 6774 11939 11941 11942 11943 <i>Spodoptera litura</i> 6645 [Lepidoptera: Pyralidae] <i>Cnaphalocrocis medinalis</i> 1761 2174	<i>Nezara viridula</i> 3101 [Hemiptera: Psyllidae] <i>Diaphorina citri</i> 8316 [Hymenoptera] Unknown species 8007 8008 [Hymenoptera: Tenthredinoidea] Unknown species 6883 [Isoptera: Termitidae] <i>Nasutitermes acajutlae</i> 7800 7801 7803 [Lepidoptera] Unknown species 7721 7741 7742 7995 8001 [Lepidoptera: Limacodidae] <i>Natada michonta</i> 2616 2617 2618 [Lepidoptera: Noctuidae] <i>Sesamia inferens</i> 1008 [Lepidoptera: Tortricidae] <i>Cydia pomonella</i> 6193 6198 <i>Epiphyas postvittana</i> 309 [Opiliones] Unknown species 5192
Neozygites floridana (?) [Acari: Tetranychidae] <i>Mononychellus tanajoa</i> 6219 6220 6221 <i>Tetranychus urticae</i> 5201 5202 5376	Nomuraea viridulus [Hemiptera: Cicadidae] <i>Cryptotympana facialis</i> 6927	
Neozygites parvispora [Thysanoptera: Thripidae] <i>Thrips tabaci</i> 5620 5621	Ophiocordyceps aphodii [Coleoptera: Scarabaeidae] <i>Aphodius howitti</i> 5498	
Neozygites tetranychii [Acari: Tetranychidae] <i>Tetranychus althaeae</i> 2677	Ophiocordyceps bisporus [Isoptera: Termitidae] Unknown species 3888 <i>Macrotermes</i> 4518 4843	
Nomuraea sp. [Lepidoptera: Noctuidae] Unknown species 7851 <i>Helicoverpa armigera</i> 2413	Ophiocordyceps heteropoda [Hemiptera: Cicadidae] <i>Cicadetta puer</i> 1880	Paecilomyces canadensis [Coleoptera: Scarabaeidae] <i>Heptophylla picea</i> 984 [Lepidoptera: Lasiocampidae] <i>Gastropacha orientalis</i> 990
Nomuraea atypicola [Araneida] Unknown species 9594 [Araneida: ?Argiopidae] Unknown species 1904 [Araneida: Tetragnathidae] <i>Nephila clavipes</i> 7231	Ophiocordyceps variabilis [Diptera: Xylophagidae] Unknown species 4080 <i>Xylophagus</i> sp. 5365 5366 5367 5414 5415 5416 5417 5418 5419 5420 5421 5422 5423 5424 5425 5426 5427 5428 5429	Paecilomyces carneus [Coleoptera: Staphylinidae] Unknown species 11836 [Thysanoptera: Thripidae] Unknown species 11821
Nomuraea cylindrospora [Hemiptera: Cicadidae] <i>Pomponia linearis</i> 6926	Ostracoderma sp. [Taxales: Taxaceae] <i>Taxus</i> sp. 5163	Paecilomyces crustaceus (?) [Hemiptera: Cercopidae] <i>Zulia carbonaria</i> 6462 6467
Nomuraea rileyi [Hemiptera: Delphacidae] <i>Sogatella furcifera</i> 558 [Lepidoptera] Unknown species 936 1879 1893 [Lepidoptera: Bombycidae] <i>Bombyx mori</i> 711 [Lepidoptera: Lymantriidae] <i>Lymantria</i> 481 482 483 [Lepidoptera: Noctuidae] Unknown species 135 6875 9489 9490 <i>Alabama argillacea</i> 7148 <i>Anticarsia gemmatalis</i> 1950 2013 2201 2202 2203 2204 2205 2207 2465 2466 2492 3940 5208 5209 5210 5211 5212 6732 6734 6736 6737 6738 6739 6740 6741 6742 6743 6744 6745 6746 6747 6748 6749 6764 6765 6766 6767 6775 6776 6777 6778 6779 6780 6782 6783 6784 6786 6787 6868 6869 6870 6872 6873 6874 6876 6877 6878 7052 7053 7054 7055 7056 7149 7150 7151 7479 7480 7481 7482 7484 7778 7779 7780 <i>Helicoverpa armigera</i> 6239 <i>Mocis frugalis</i> 1762 <i>Naranga</i> 2345 <i>Plathypena scabra</i> 762 6871 6881 <i>Plusia</i> 1047 <i>Plusiinae</i> 6781 6785 6879 <i>Prodenia litura</i> 1014 <i>Pseudoplusia includens</i> 6866 6882 <i>Rachiplusia nu</i> 2206	Paecilomyces sp. [Araneida] Unknown species 2354 [Araneida: Araneae] Unknown species 5181 5183 5190 [Coleoptera: Curculionidae] Unknown species 5184 5193 [Diptera] Unknown species 2350 2378 [Diptera: Drosophilidae] Unknown species 3768 [Hemiptera: Adelgidae] <i>Adelges tsugae</i> 5179 5180 [Hemiptera: Aleyrodidae] <i>Bemisia argentifolii</i> 5160 <i>Bemisia tabaci</i> 3772 3774 3775 3777 3780 3781 3782 3783 3784 3785 3786 3787 3788 3870 3871 3872 3873 3874 3875 3877 4985 4986 4987 4988 4989 5091 5092 5093 5094 5095 5096 5097 5098 5099 5100 5101 5102 5103 5104 5105 5106 5108 5109 5110 5111 5112 5114 [Hemiptera: Cicadellidae] <i>Recilia dorsalis</i> 680 [Hemiptera: Pentatomidae] Unknown species 7075	Paecilomyces lilacinus (?) [Hemiptera: Cercopidae] <i>Zulia carbonaria</i> 6458 Paecilomyces marquandii [Thysanoptera: Thripidae] Unknown species 9928 9929 Paecilomyces reniformis [Orthoptera: Tettigoniidae] Unknown species 429 484 577 7040 7041 Paecilomyces sinensis [Lepidoptera: Hepialidae] Unknown species 6284 6285
		Pandora sp. [Diptera] Unknown species 5812 [Lepidoptera: Arctiidae] <i>Lophocampa caryae</i> 11764 [Lepidoptera: Plutellidae] <i>Plutella xylostella</i> 3201

Pandora blunckii	2782 2783 2784 2837 2838 2839	[Diptera: Drosophilidae]
[Coleoptera: Elateridae]	2840 2842 2844 2845 2846 2847	<i>Drosophila</i> 7976
<i>Athalia rosae</i> 915 917 920 1715 1716	2848 2851 2852 2853 2854 2855	[Hemiptera: Cercopidae]
1717 1718	2856 2865 2866 2867 2868 2870	<i>Zulia colombiana</i> 6357 6359
[Lepidoptera: Plutellidae]	2872 2873 3234 3237 3240 4934	[Hemiptera: Ortheziidae]
<i>Plutella</i> 3075	6631 7937 11663	<i>Orthezia praelonga</i> 2643
<i>Plutella maculipennis</i> 217	<i>Aphidula</i> 1610 1615	[Hymenoptera: Formicidae]
<i>Plutella xylostella</i> 1000 2824 3200 3202	<i>Aphis</i> 128 3410	Unknown species 12048 12049
6293 6294 6295 6296 6297 6298	<i>Aphis fabae</i> 608 609 610 611 612 613	[Hymenoptera: Vespidae]
6299 6300 6301 6302 6304 6305	614 636 637 638 639 1606 1611	<i>Vespula germanica</i> 4148
6306 6307 6308 6309 6310 6311	1981 1985 2019 2020 3238 3241	[Lepidoptera: Hepialidae]
6312 6316	5995	<i>Oncopera alboguttata</i> 4263
Pandora delphacis	<i>Aphis glycines</i> 7212 7213 7214 7226	[Lepidoptera: Lymantriidae]
[Hemiptera: Cicadellidae]	8607	<i>Lymantria dispar</i> 2834 2836
Unknown species 1238 1936	<i>Brevicoryne brassicae</i> 1613 1616 1617	[Orthoptera: Acrididae]
<i>Empoasca fabae</i> 3072 3093 3094 3095	1784 1785 1786 1824 1825 1826	<i>Hieroglyphus banian</i> 5335
3096 3106 3107	1827 2108 2109 2110 2112 2114	Penicillium sumatrense
<i>Nephotettix cincticeps</i> 458 459 460 461	2115 2116 2117 2118 2119 2120	[Hymenoptera: Formicidae]
478	2121 2122 2123 2124 2128 2280	<i>Camponotus</i> 7099
<i>Recilia dorsalis</i> 659 660	2293 5371 5372 5373 5374	Penicillium thomii
[Hemiptera: Delphacidae]	<i>Dactynotus formosanus</i> 1137	[Lepidoptera: Lymantriidae]
<i>Nilaparvata lugens</i> 134 575 579 580	<i>Diuraphis noxia</i> 3081 3082 3126 3174	<i>Lymantria dispar</i> 2056
657 664 665 666 667 668 669 670	3175	Phialophora malorum
672 673 674 676 682 686 698 713	<i>Hyalopterus pruni</i> 1596	[Lepidoptera: Lymantriidae]
716 1124 1132 1133 1264 1268	<i>Hyperomyzus lactucae</i> 829 833 835	<i>Lymantria dispar</i> 2072
1730 1731 2091	<i>Macrosiphum</i> 1607 1612	Phoma sp.
<i>Sogatella furcifera</i> 593 603 2092 2093	<i>Macrosiphum akebiae</i> 1134	[Hemiptera: Adelgidae]
2095 2096 2409 6538 6539	<i>Macrosiphum euphorbiae</i> 181	<i>Adelges tsugae</i> 9920 9923
<i>Sogatodes pusanus</i> 2094	<i>Macrosiphum rosae</i> 1986 1987	Phoma cava
[Hemiptera: Membracidae]	<i>Metopolophium dirhodum</i> 2874 2875	[Lepidoptera: Lymantriidae]
<i>Spissistilus festinus</i> 2028 3484	2876 3365 3367 5707 5708	<i>Lymantria dispar</i> 2071
[Hemiptera: Miridae]	<i>Microlophium carnosum</i> 7938 7939	Pochonia sp.
Unknown species 3062	<i>Myzus</i> 1601 1602	[Bdelloida: Habrotrichidae]
[Lepidoptera: Noctuidae]	<i>Myzus nicotinae</i> 3411 3412 3459	<i>Habrotricha elusa elusa</i> 10261
<i>Mamestra brassicae</i> 1265	<i>Myzus persicae</i> 1600 2085 2086 3248	Pochonia bulbillosa
Pandora dipterigena	3249 3250 3251 11662	[Diptera: Muscidae]
[Diptera]	<i>Nasonovia ribisnigri</i> 11862 11863	Unknown species 11800
Unknown species 131 1720 1921 1923	<i>Schizaphis graminum</i> 3366	Pochonia bulbillosa(?)
[Diptera: ?Sciaridae]	<i>Sitobion</i> 1597 1604	[Coleoptera: Curculionidae]
Unknown species 1887	<i>Sitobion avenae</i> 5403 6166	<i>Anthonomus musculus</i> 3035
[Diptera: Brachycera]	<i>Uroleucon formosanus</i> 993	Pochonia chlamydosporia
Unknown species 1422	[Hemiptera: Miridae]	[Coleoptera: Scarabaeidae]
[Diptera: Nematocera]	<i>Lygus</i> 1570	Unknown species 3314
Unknown species 397	Pandora nouryi	Pochonia chlamydosporia var. <i>chlamydosporia</i>
[Trichoptera]	[Hemiptera: Aphididae]	[Coleoptera: Lagriidae]
Unknown species 2406	Unknown species 199	<i>Lagria vilosa</i> 2218
Pandora heteropterae	<i>Acyrtosiphon kondoi</i> 362	[Diptera]
[Hemiptera: Miridae]	<i>Lipaphis erysimi</i> 8930 8931	Unknown species 11786 11810
<i>Lygus lineolaris</i> 9266	<i>Therioaphis maculata</i> 366	[Phthiraptera: Anoplura]
Pandora kondoiensis	Paraisaria dubia	Unknown species 11801
[Hemiptera: Aphididae]	[Coleoptera: Scarabaeidae: Melolonthinae]	Pochonia suchlasporia var. <i>catenata</i>
<i>Acyrtosiphon kondoi</i> 369 825 828 836		[Lepidoptera: Lymantriidae]
837	<i>Antitrogon rugulosus</i> 5764	<i>Lymantria dispar</i> 2064
Pandora neoaphidis	Penicillium sp.	Polycephalomycetes sp.
[Hemiptera: Aphididae]	[Acari: Ixodidae]	[Coleoptera]
Unknown species 78 381 1695 1696	<i>Ixodes scapularis</i> 5733 6603	Unknown species 9496
2016 2298 6902	[Acari: Tetranychidae]	[Coleoptera: Carabidae]
<i>Acyrtosiphon pisum</i> 827 830 838 1598	<i>Tetranychus urticae</i> 7974	Unknown species 9497
1603 1605 1609 2017 2018 2583	[Coleoptera: Curculionidae]	
2584 2585 2587 2588 2589 2591	<i>Anthonomus musculus</i> 3036	
2592 2593 2594 2754 2755 2756	<i>Chalcodermus bimaculatus</i> 2950	
2757 2758 2760 2761 2762 2763	[Coleoptera: Scarabaeidae]	
2766 2767 2768 2769 2773 2781	<i>Amphimallon solstitiale</i> 11681 11683	

Host by Fungus

Polycephalomyces formosus [Coleoptera: Carabidae] <i>Calosoma</i> 1424	[Hemiptera: Scutelleridae] <i>Eurygaster</i> 6018 6021 6024 6026 6080 6081 6082 6084 6094 6114 6116 6117 6494 6502	Rotiferophthora ovispora [Bdelloida: Habrotrichidae] <i>Habrotricha elusa elusa</i> 10274
Polycephalomyces ramosus [Hemiptera: Pentatomidae] Unknown species 4858 [Lepidoptera] Unknown species 7095	[Hymenoptera: Formicidae] <i>Anoplolepis longipes</i> 2155 <i>Pogonomyrma occidentalis</i> 7545 7546 7547 7548 [Isoptera: Termitidae] <i>Nasutitermes corniger</i> 8456	Saprolegnia sp. [Diptera: Chironomidae] Unknown species 6427 [Diptera: Simuliidae] Unknown species 179 180
Polycephalomyces tomentosus [Trichiales: Trichiaceae] <i>Hemitrichia serpula</i> 5353	[Lepidoptera: Bombycidae] <i>Bombyx mori</i> 986 [Lepidoptera: Nymphalidae] <i>Chlosyne lacinia saundersii</i> 1058 <i>Opsiphanes cassinae</i> 5805	Schizangiella sp. [Squamata: Colubridae] <i>Elaphe</i> 2237 2239
Pseudogibellula formicarum [Hemiptera: Cercopidae] Unknown species 2913 [Hemiptera: Flatidae ?] Unknown species 5765 5766	[Lepidoptera: Plutellidae] <i>Plutella xylostella</i> 6183 6197 [Lepidoptera: Pyralidae] <i>Galleria mellonella</i> 8311 8312	Schizangiella serpentis [Squamata: Colubridae] <i>Elaphe obsoleta</i> 8000 8047 [Squamata: Viperidae] <i>Crotalus horridus</i> 203
Pseudomeria mucosa [Bdelloida: Adinetidae] <i>Adineta</i> 10262 10272 [Bdelloida: Habrotrichidae] <i>Habrotricha elusa</i> 8993 9383	[Tylenchida: Heteroderidae] <i>Meloidogyne</i> 2181 2182 2183 2184 2185 2186 2233	Scopulariopsis sp. [Coleoptera: Cerambycidae] <i>Anoplophora glabripennis</i> 8421 [Coleoptera: Chrysomelidae] <i>Leptinotarsa decemlineata</i> 2327 [Coleoptera: Curculionidae] Unknown species 2169 [Coleoptera: Tenebrionidae] <i>Tenebrio molitor</i> 11652
Purpureocillium lilacinum [Araneida] Unknown species 9528 [Coleoptera: Chrysomelidae] <i>Cerotoma</i> 1951 [Coleoptera: Curculionidae] <i>Diaprepes abbreviata</i> 410 [Coleoptera: Elateridae] Unknown species 9524 [Coleoptera: Lagriidae] <i>Lagria vilosa</i> 723 2952 [Coleoptera: Scarabaeidae] Unknown species 6110 <i>Popillia japonica</i> 9371 [Coleoptera: Scolytidae] <i>Hypothenemus hampei</i> 5876 5877 5880 5882 6188 6190 [Coleoptera: Tenebrionidae] <i>Tenebrio molitor</i> 8918 8919 8920 8921 8922 [Hemiptera] Unknown species 9604 [Hemiptera: Aleyrodidae] <i>Singhiella simplex</i> 9610 <i>Trialeurodes vaporariorum</i> 3846 [Hemiptera: Aphididae] <i>Diuraphis noxia</i> 6985 [Hemiptera: Cercopidae] <i>Deois flavopicta</i> 2078 3481 <i>Zulia pubescens</i> 6340 [Hemiptera: Cicadellidae] Unknown species 9523 [Hemiptera: Cicadidae] Unknown species 6247 [Hemiptera: Pentatomidae] Unknown species 531 <i>Edessa mediatunda</i> 10225 <i>Scotinophara coarctata</i> 763 <i>Tibraca limbativentres</i> 2215 [Hemiptera: Reduviidae] <i>Triatoma infestans</i> 7478	Ramicandelaber longisporus [Tylenchida: Heteroderidae] <i>Heterodera glycines</i> 6175 6176	[Diptera: Calliphoridae] <i>Lucilia illustris</i> 2328 [Hemiptera: Adelgidae] <i>Adelges tsugae</i> 5164 [Hemiptera: Aleyrodidae] <i>Bemisia tabaci</i> 8825 8826 8827 [Hemiptera: Pentatomidae] <i>Halyomorpha halys</i> 10309 10310 [Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 2255 [Lepidoptera: Plutellidae] <i>Plutella xylostella</i> 3203
	Rhinoclastiella(?) sp. [Hemiptera: Adelgidae] <i>Adelges tsugae</i> 9365 9922 [Hemiptera: Coccidae] <i>Parthenolecanium</i> 12080 12081 12082	Scopulariopsis brevicaulis [Lepidoptera: Pyralidae] <i>Galleria mellonella</i> 9943
	Rotiferophthora sp. [Bdelloida: Adinetidae] <i>Adineta</i> 9544 10266 [Bdelloida: Habrotrichidae] <i>Habrotricha</i> 9545 9546 10265 <i>Habrotricha elusa elusa</i> 9542 9543 10263 10264	Septobasidium carestianum [Hemiptera: spf. Coccoidea] Unknown species 6473
	Rotiferophthora angustispora [Bdelloida: Habrotrichidae] <i>Habrotricha elusa</i> 8991 [Trichoptera] Unknown species 9498	Simplicillium sp. [Hemiptera: Aleyrodidae] <i>Bemisia tabaci</i> 6584
	Rotiferophthora barronii [Bdelloida: Adinetidae] <i>Adineta</i> 10267	Simplicillium lamellicola [Acari: Oribatidae] Unknown species 1367 [Coleoptera: Carabidae] <i>Carabus</i> 9479 [Diptera: Muscidae] Unknown species 9480 [Hemiptera: Aleyrodidae] Unknown species 9481 [Hemiptera: Pentatomidae] <i>Palomena prasina</i> 11727 11728 11729 11732 11735 11737 [Orthoptera: Acrididae] <i>Aiolopus longicornis</i> 6448
	Rotiferophthora cylindrospora [Bdelloida: Habrotrichidae] <i>Habrotricha</i> 9547 9548 <i>Habrotricha elusa elusa</i> 8992 10273	
	Rotiferophthora denticulospora [Bdelloida: Habrotrichidae] <i>Habrotricha</i> 9549	
	Rotiferophthora guttulaspora [Bdelloida: Habrotrichidae] <i>Habrotricha elusa</i> 10269	
	Rotiferophthora intermedia [Bdelloida: Habrotrichidae] <i>Habrotricha elusa</i> 10270	

Simplicillium lamellicola (?) [Hemiptera: Pentatomidae] <i>Palomena prasina</i> 11738 [Lepidoptera] Unknown species 11725	<i>Aedes sticticus</i> 9009 9130 <i>Culex</i> 9128 9149 <i>Culex pervigilans</i> 9074 <i>Culex renatoi</i> 5431 [Diptera: Simuliidae] <i>Prosimulium</i> 9126 <i>Simulium vittatum</i> 9008 [Diptera: Thaumaleidae] Unknown species 9084 9124 <i>Austrothaumalea</i> 9005 9041 [Diptera: Tipulidae] Unknown species 9091 <i>Dactylolabis montana</i> 9143 <i>Limonia</i> 9006 9040	Smittium imitatum [Diptera: Simuliidae] <i>Simulium</i> 9033
Simplicillium lanosoniveum [Diptera: Culicidae] Unknown species 8822 [Hemiptera: Coccidae] <i>Parthenolecanium corni</i> 7623 [Hemiptera: Tingidae] <i>Leptopharsa heveae</i> 6430 6431 6432 6636 6637 6642	Smittium culicisoides [Diptera: Chironomidae] Unknown species 9044	Smittium lentaquaticum [Diptera: Chironomidae] <i>Chironomus</i> 9068 9253 [Diptera: Culicidae] Unknown species 9082
Smittium sp. [Diptera] Unknown species 9051 9065 9088 9265 [Diptera: Chironomidae] Unknown species 9034 9087 9145 <i>Orthocladius</i> 9121 9146 <i>Polypedilum</i> 9120 <i>Psectrocladius limbatellus</i> 9050 <i>Pseudokiefferiella</i> 9147 <i>Tanytarsus</i> 9035 [Diptera: Culicidae] Unknown species 9038 9079 9081 9148 [Diptera: Tipulidae] Unknown species 9086 [Plecoptera: Gripopterygidae] Unknown species 9119	Smittium culisetae [Diptera: Ceratopogonidae] <i>Dasyhelea</i> 9097 [Diptera: Chironomidae] Unknown species 9132 <i>Chironomus alternans</i> 9025 <i>Orthocladius</i> 9114 [Diptera: Culicidae] Unknown species 9015 9024 9026 9058 9071 9075 9098 9109 9110 9111 9113 9247 <i>Aedes albopictus</i> 9013 9014 9047 9099 9100 9101 9104 9105 9106 <i>Aedes crinifer</i> 5200 9094 <i>Aedes vexans</i> 9016 9017 9102 9103 9246 <i>Culex</i> 9048 9107 9108 <i>Culex dolosus</i> 5430 9131 <i>Culex restuans</i> 9056 <i>Culiseta</i> 9062 9115 9133 <i>Culiseta impatiens</i> 9012 <i>Culiseta incidens</i> 9095 <i>Ochlerotatus japonicus</i> 9039 9069 [Diptera: Simuliidae] <i>Simulium vittatum</i> 6810 9018 9032 9096 9112	Smittium megazygosporum [Diptera: Simuliidae] <i>Simulium vittatum</i> 6275 9037
Smittium acutum [Diptera: Chironomidae] Unknown species 9092	Smittium orthocladii [Diptera: Chironomidae] Unknown species 9080	Smittium megazygosporum (?) [Diptera: Chironomidae] <i>Orthocladius</i> 9027
Smittium angustum [Diptera: Chironomidae] <i>Tanytarsus</i> 9241	Smittium perforatum (?) [Diptera: Chironomidae] <i>Diamesa</i> 9055	Smittium morbosum [Diptera: Culicidae] <i>Ochlerotatus triseriatus</i> 9060 9061
Smittium annulatum [Diptera: Simuliidae] Unknown species 9242	Smittium phytotelmatum [Diptera: Chironomidae] <i>Chironomus</i> 9076	Smittium mucronatum [Diptera] Unknown species 9063 [Diptera: Chironomidae] Unknown species 9067 9090 9144 <i>Psectrocladius sordidellus</i> 9028
Smittium caudatum [Diptera: Chironomidae] Unknown species 9000 9261	Smittium simulatum [Diptera: Tipulidae] <i>Aphrophila bidentata</i> 9042 9078 9117	Smittium simulii [Diptera: Chironomidae] Unknown species 9019 9136 <i>Diamesa</i> 9139 [Diptera: Simuliidae] Unknown species 9049 <i>Simulium</i> 9043 9118 9134 9137 9138 <i>Simulium uchidai</i> 9135
Smittium coloradense [Diptera: Chironomidae] <i>Cricotopus</i> 9001 <i>Orthocladius</i> 9002	Smittium cilindrosporum [Diptera: Chironomidae] <i>Cricotopus</i> 9116 9248 9249	Smittium stenosporum [Diptera: Chironomidae] <i>Cricotopus</i> 9023
Smittium commune [Diptera: Chironomidae] Unknown species 9085 <i>Microtendipes</i> 9243 9244 9245	Smittium dipterorum [Diptera: Chironomidae] <i>Chironomus</i> 9250 [Diptera: Simuliidae] <i>Simulium</i> 9263	Smittium tipularum [Diptera: Tipulidae] <i>Elliptera astigmatica</i> 9052 9053 9054 9122
Smittium culicis [Diptera] Unknown species 9059 [Diptera: Chironomidae] Unknown species 9011 9127 9129 <i>Chironomus</i> 9003 9045 9046 9142 <i>Corynoneura</i> 9007 9093 <i>Tanytarsus</i> 9125 [Diptera: Culicidae] Unknown species 9010 9031 9057 9073 9123 9140 9141 <i>Aedes albifasciatus</i> 5432 9004	Smittium elongatum [Diptera: Chironomidae] Unknown species 9251	Smittium tronadorium [Diptera: Chironomidae] <i>Paraheptagya</i> 9030
	Smittium fecundum [Diptera: Chironomidae] <i>Psectrocladius</i> 9022 9083	Sorospora sp. [Orthoptera: Acrididae] ? <i>Melanoplus</i> 377
	Smittium gravimetallum [Diptera: Chironomidae] <i>Dicrotendipes fumidus</i> 9029 9036 9264	

- Sorosporella uvella**
[Coleoptera: Curculionidae]
Curculio caryae 1123
[Orthoptera: Gryllotalpidae]
Scapteriscus vicinus 1856
- Sporodiniella umbellata**
[Hemiptera: Jassidae]
Unknown species 5222
- Sporothrix sp.**
[Hemiptera: Cicadellidae]
Unknown species 7038
[Hemiptera: Delphacidae]
Unknown species 7042
Nilaparvata lugens 1908
[Hemiptera: Psyllidae]
Diaphorina citri 10230
- Sporothrix ghanensis**
[Hemiptera: Coccoidea]
Unknown species 9500
- Sporothrix insectorum**
[Coleoptera: Carabidae]
Carabus 9502
[Hymenoptera: Formicidae]
Paltothyreus tarsatus 2909 2918
[Lepidoptera]
Unknown species 6286 7924
[Lepidoptera: Pyralidae]
Unknown species 9501
- Stachybotrys sp.**
[Hemiptera: Aphididae]
Sitobion avenae 2863
- Sterile mycelium**
[Aphelenchida: Aphelenchoididae]
Aphelenchoides 3735
[Coleoptera: Cerambycidae]
Unknown species 4009
[Coleoptera: Scarabaeidae]
Adoryphorus coulounii 4243
[Hemiptera: Adelgidae]
Adelges tsugae 5819
[Hemiptera: Aleyrodidae]
Unknown species 3710 3711
Bemisia tabaci 3868
[Hemiptera: Aphididae]
Unknown species 3703 3705 3712
Brevicoryne brassicae 4376
[Hemiptera: Cercopidae]
Prosapia plagiata 4712
[Hemiptera: Cicadellidae]
Unknown species 3702
[Hemiptera: Pentatomidae]
Scotinophara coarctata 1435
[Lepidoptera: Lymantriidae]
Lymantria dispar 2073
[Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11693
- Stilbella buquetii**
[Coleoptera: Curculionidae]
Artipes 2915
- Strongwellsea castrans**
[Diptera: Anthomyiidae]
Delia radicum 3282 3485
- Syngliocladium sp.**
[Diptera: Ulidiidae]
Tetanops myopaeformis 5217
- Syngliocladium tetanopsis**
[Diptera: Ulidiidae]
Tetanops myopaeformis 4972 5497
5577
- Synnematium jonesii**
[Coleoptera: Hispinae]
Promecotheca papuana 5664
- Tilachlidium sp.**
[Coleoptera: Chrysomelidae]
Unknown species 10132
[Coleoptera: Elateridae]
Unknown species 2415
- Tilletiopsis sp.**
[Hemiptera: Delphacidae]
Nilaparvata lugens 527 572 573
- Tolypocladium sp.**
[Hemiptera: Tingidae]
Leptopharsa heveae 6634
- Tolypocladium cylindrosporum**
[Araneida]
Unknown species 9503
[Coleoptera: Elateridae]
Unknown species 7456 7812
[Diptera: Anthomyiidae]
Delia floralis 5525 5526 5527 5528
5529 5530 5531 5532 5558 5559
[Diptera: Bibionidae]
Plecia nearctica 2912
[Diptera: Culicidae]
Unknown species 961 976 1027 1028
2911
Aedes australis 841
Aedes sierrensis 705 1580
[Hymenoptera: Formicidae]
Myrmica rubra 7539
[Hymenoptera: Siridae]
Sirex noctilo 5538
[Lepidoptera: Noctuidae]
Unknown species 2777 2778
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10146
- Tolypocladium extinguens**
[Diptera: Mycetophilidae]
Arachnocampa luminosa 2921
- Tolypocladium inflatum**
[Acari: Oribatidae]
Mycobates 3278
[Coleoptera: Scarabaeidae: Aphodiinae]
Unknown species 4877 4878 4879 4880
4881 4882 4883 4884 4885 4886
4887 4888 4889 4890 4891 4892
4893 4894 4895 4896 4897 4898
[Diptera: Tachinidae]
Unknown species 3281
- [Lepidoptera: Tortricidae]
Choristoneura fumiferana 3321
- Torrubiella sp.**
[Araneida]
Unknown species 7223
- Torrubiella homopterorum**
[Hemiptera: Delphacidae]
Nilaparvata lugens 2045
- Torrubiella piperis**
[Hemiptera: Coccoidea]
Unknown species 7232
- Torrubiella ratticaudata**
[Araneida: Salticidae]
Euophrys ?trivittata 1915 1916
- Triacutus subcuticularis**
[Bdelloida: Adinetidae]
Adineta 10260
- Trichoderma sp.**
[Hemiptera: Cicadellidae]
Empoasca kraemeri 807
[Hemiptera: Diaspididae]
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Anoplolepis longipes 2160 2161
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[Lepidoptera: Pyralidae]
Elasmopalpus lignosellus 5730
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- Trichoderma lignorum**
[Hemiptera: Adelgidae]
Adelges tsugae 5176
- Trichoderma viride(?)**
[Hemiptera: Cercopidae]
Aeneolamia varia 6344
- Trichothecium sp.**
[Hemiptera: Cicadellidae]
Nephotettix bipunctata cincticeps 653
[Hemiptera: Miridae]
Adelphocoris 1217 1223
- Trichothecium roseum**
[Hemiptera: Aleyrodidae]
Unknown species 3708
[Hemiptera: Miridae]
Adelphocoris 1212 1226 1308 1639
1642
[Lepidoptera: Lymantriidae]
Lymantria dispar 2055
- Tripospermum sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 9363

Verticillium sp.

- [Coleoptera: Carabidae]
Unknown species 6501
- [Coleoptera: Dermestidae]
Unknown species 6484
- [Coleoptera: Scarabaeidae]
Unknown species 6486
- [Hemiptera: Aleyrodidae]
Trialeurodes vaporariorum 4402
- [Hemiptera: Aphididae]
Unknown species 4194 4195 4203 4398 4399
Myzus persicae 4074
- [Hemiptera: Margarodidae]
Icerya purchasi 6580
- [Hemiptera: Pentatomidae]
Aelia 6500
- [Hemiptera: Rhopalidae]
Unknown species 6498
- [Hemiptera: Scutelleridae]
Eurygaster 6480 6485
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 3547 3550 3551 3552 3556 3561

Verticillium epiphytum

- [Uredinales]
Hemileia vastatrix 5250

Verticillium insectorum

- [Coleoptera: Curculionidae]
Otiorhynchus sulcatus 3715

Verticillium lecanii

- [Araneida: Araneae]
Unknown species 5167
- [Coleoptera: Cantharidae]
Unknown species 4048
- [Coleoptera: Chrysomelidae]
Agelastica alni 4022
- [Coleoptera: Curculionidae]
Otiorhynchus sulcatus 6545
- [Coleoptera: Histeridae]
Carcinops pumilio 5856
- [Coleoptera: Scarabaeidae]
Aphodius fimetarius 4047
- [Coleoptera: Tenebrionidae]
Unknown species 6487
Alphitobius diaperinus 5849
- [Collembola: Sminthuridae]
Sminthurus viridis 5852
- [Diptera: Anthomyiidae]
Delia radicum 5132 6554
- [Diptera: Ephydriidae]
Scatella stagnalis 6561
- [Diptera: Muscidae]
Musca domestica 5859
- [Hemiptera]
Unknown species 6290
- [Hemiptera: Adelgidae]
Adelges tsugae 5771 5781 5783 5786 5789 5793 5820 5821 5824 6045 6046 6047 6050
Dreyfusia normanniana 5854
- [Hemiptera: Aleyrodidae]
Bemisia tabaci 4064 4065 4067 4069 4070 4071 4072

- Trialeurodes vaporariorum* 4061 6544 6547
- [Hemiptera: Aphididae]
Unknown species 4073 4416 4417 4418 4419 4420 4421 4422 4423 4453 4454 4455 4456 4457 5166 5809
Aphis gossypii 6541
Brachycaudus helichrysi 6540
Brevicoryne brassicae 5131
Diuraphis noxia 3862 3881 3902 3903 3904 3909 6606
Macrosiphoniella sanborni 6542
Myzus persicae 4075 4076 4077 4079 5130 6543
Sitobion avenae 2859
Toxoptera citricida 6144 6145
- [Hemiptera: Coccidae]
Unknown species 2916
Coccus viridis 5153
Phytokermes hemichryphus 4025
Pulvinaria aurantii 6287 6291
- [Hemiptera: Eriococcidae]
Cryptococcus fagisuga 3741 3742 3743
- [Hemiptera: Scutelleridae]
Eurygaster 6025 6068 6085 6479
- [Hemiptera: Tingidae]
Leptopharsa heveae 6651
- [Hymenoptera: Formicidae]
Formica sp. 5168
- [Lepidoptera: Bombycidae]
Bombyx mori 991
- [Thysanoptera: Thripidae]
Unknown species 6548
Thrips tabaci 5709
- [Uredinales: Pucciniaceae]
Puccinia striiformis 5221

Verticillium pseudohemipterigenum

- [Hemiptera: Coccoidea: Asterolecaniidae]
Bambusaspis sp. 5687

Zoophthora sp.

- [Dermaptera: Forficulidae]
Forficula auricularia 3486 3487 3488
- [Hemiptera: Aphididae]
Unknown species 7454

Zoophthora anglica

- [Coleoptera: Carabidae]
Trechus quadristriatus 1739
- [Coleoptera: Elateridae]
Agriotes sputator 396 2505
- [Hemiptera: Miridae]
Notostira elongata 916 926

Zoophthora aphidis

- [Hemiptera: Aphididae]
Anoecia corni 425

Zoophthora lanceolata

- [Diptera: Brachycera]
Unknown species 468
- [Diptera: Nematocera]
Unknown species 426 469

Zoophthora occidentalis

- [Hemiptera: Aphididae]
Acyrtosiphon pisum 2841 3027 3028 3029 3071 3073
Macrosiphum euphorbiae 207

Zoophthora phalloides

- [Hemiptera: Aphididae]
Brevicoryne brassicae 2281
Myzus rannaculinum 352

Zoophthora phytonomi

- [Coleoptera: Curculionidae]
Hypera postica 3342 3343 3344
Hypera punctata 202 2188
Hypera variabilis 113 191 192

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- [Diptera]
Unknown species 388 1337 2499 2500 2501 2503 2506 2523 2554 8466
- [Diptera: Anthomyiidae]
Delia radicum 2666
- [Diptera: Nematocera]
Unknown species 1336 1428
- [Hemiptera: Aphididae]
Unknown species 7455 7788 7789
Acyrtosiphon pisum 11859
Aphis fabae 7208
Brachycaudus amygdalinus 75
Brevicoryne brassicae 11861
Capitophorus 822
Diuraphis noxia 3163
Drepanosiphum aceris 914 1130
Metopolophium dirhodum 2811
Nasonovia ribisnigri 11860
Therioaphis maculata 103 104 105 106 107 108 109 110 111 112 114 139 237 238 239 359 370 379 823
Therioaphis trifolii f. *maculata* 3737
- [Hemiptera: Cercopidae]
Unknown species 800
- [Hemiptera: Cicadellidae]
Unknown species 1239 1263 1495 1587 1591 2196 2549 2551 2552
Empoasca 2241 2242 2243 2244 2245 2246 2282 2283 2284 2285 2286 2287 2288 2289 3623
Empoasca fabae 1018 1019 1020 1021 1261 1262 1938 2400 2550 2716 2717 2718 2719 2720 2977 2978 2979 2980 3104 3105 3283 3284 3355 3376 3377 3390 3697 4520
Empoasca kraemeri 789 790 1227 1228 1229 1231 1232 1233 1234 1236 1237 1492 1493 1494 1496 1497 1498 1499 1500 1501 1502 1503 1504 1541 1542 1543 1544 1581 1582 1583 1584 1585 1586 1588 1589 1590 1593 1594 1595 1928 1929 1930 1931 1932 1933 1934 1935 1937 2994 2995 2996 3002 3003 3004 3005 3006 3007 3008 3009 3010 3011 3012 3013 3026
Empoasca vitis 2696 2700 2701 2702 2703 2706 2708 2709 2712 2713

- 3114 3116 3119 3149 3150 3151
 3159 3160 3162 3164 3165 3172
Hauptida distinguenda 2256 2257 2258
 2259 2260 2261 2262
Molopopterus theae 6605
Typhlocyba 3115 3170 3171
 [Hemiptera: Delphacidae]
Delphacodes striatella 1050
Nilaparvata lugens 685 1125 1136
 [Hemiptera: Miridae]
Dicyphus pallidus 389
 [Hemiptera: Psyllidae]
Psyllida etrioza 126
Trioza urticae 1719
 [Hymenoptera: Diprionidae]
Neodiprion tsugae 13
 [Lepidoptera]
 Unknown species 404
 [Lepidoptera: Gelechiidae]
Tuta absoluta 6917
 [Lepidoptera: Gelechiidae]
Anacamptis humilis 4783
 [Lepidoptera: Geometridae]
Lambdina fiscellaria fiscellaria 72
 [Lepidoptera: Noctuidae]
Sesamia inferens 2411
Trichoplusia ni 6003
 [Lepidoptera: Pieridae]
Pieris brassicae 1341 1342 1343 1344
 1345 1346
 [Lepidoptera: Plutellidae]
Plutella xylostella 1048 1100 2732 2893
 3204 3205 3206 6303 6313 6314
 6315
 [Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1699 2410
 [Lepidoptera: Tortricidae]
Choristoneura fumiferana 21 44 45 50
 52 88 141 142 143 144 145 146
 163 221 223 224 225 226 227 228
 229 230 231 232 233 234 235 407
Epinotia aporema 4781 4782 4784 4785
 5814
Merophyas divulsana 1082
Ptycholoma aeriferana 1674 1675
Tortrix viridana 68

Animalia

Arthropoda • Arachnida

Acari

- Brazil, São Paulo
Lecanicillium sp. 7373
 Unidentified / Hyphomycetes 7374
- Hungary
Isaria fumosorosea 6610
- United Kingdom
Hirsutella kirchneri 5550
Hirsutella necatrix 5549
- USA, California
Hirsutella sp. 2795 2796 2797 2798
 2801 2802 2803
Hirsutella thompsonii 2800
- USA, New York
Hirsutella brownorum 3509
Lecanicillium sp. 10217 10218
- USA, Vermont
Isaria farinosa 11825
Lecanicillium sp. 10164 10215
 10216
 Unidentified / Hyphomycetes
 10281

Acari: Eriophyiidae

- Abacarus hystrix*
 United Kingdom
Hirsutella kirchneri 5551
Hirsutella sp. 970
- USA, Maryland
Hirsutella sp. 8999
- Acalitus vaccinii*
 USA, North Carolina
Hirsutella thompsonii var. *vinacea*
 254
- Calacarus heveae*
 Brazil, São Paulo
Hirsutella thompsonii 6633
- Colomerus novaehbridensis*
 Papua New Guinea
Hirsutella thompsonii 258 414
- Eriophyes guerreronis*
 Ivory Coast
Hirsutella thompsonii 257
- Jamaica
Hirsutella thompsonii 256
- Eriophyes sheldoni*
 Zimbabwe
Hirsutella thompsonii 255 2459
- Phyllocoptruta oleivora*
 Argentina
Hirsutella thompsonii 2012 2464
- USA, Florida
Hirsutella thompsonii 137 241 253
- USA, Texas
Hirsutella thompsonii 259

Acari: Ixodidae

- Hungary
Beauveria bassiana 6967
- Boophilus* sp.
 Mexico
Fusarium sp. 3296
Metarhizium brunneum 3297
- USA, Florida
Metarhizium anisopliae sensu lato
 4556
- Ixodes ricinus*
 Denmark
Isaria fumosorosea 7069
- Ixodes scapularis*
Aspergillus sp. 6898
Beauveria bassiana 6897
Glucocladium(?) sp. 6896 6895 6899
- Location not specified
Aspergillus ochraceus 3325
- USA, Minnesota
Beauveria pseudobassiana 8045
 8046
- USA, New York
Aspergillus sp. 6604 6603
- USA, Rhode Island
Penicillium sp. 5733

Acari: Oribatidae

- Poland
Simplicillium lamellicola 1367
- Mycobates* sp.
 Canada, Northwest Territories
Tolyptocladium inflatum 3278

Acari: Tarsonemidae

- Philippines
Hirsutella thompsonii 1947

Acari: Tenuipalpidae

- Dolichotetranychus floridanus*
 Costa Rica
Hirsutella thompsonii 3323
- Raoiella indica*
 Saint Lucia
Lecanicillium psalliotae 8890

Acari: Tetranychidae

- Eotetranychus* sp.
 USA, Florida
Cladosporium cladosporioides 3085
- Mononychellus tanajoa*
 Benin
Hirsutella thompsonii var. *syn-nematosa* 5412
- Brazil, Bahia
Neozygites floridana(?) 6219 6220
 6221
- Tetranychus* sp.
 Ukraine
Hirsutella thompsonii 9457
- Tetranychus althaeae*
 Czech Republic
Neozygites tetranychii 2677
- Tetranychus urticae*
 Canada, British Columbia
Penicillium sp. 7974
- India
Cladosporium cladosporioides 9616

- Lecanicillium aphanocladii* 9615
- USA, New York
Neozygites floridana(?) 5201 5202
 5376
- USA, North Carolina
Neozygites sp. 662
- USA, Virginia
Cladosporium sp. 6442 6443 6572

Acari: Uropodina

- Poland
Hirsutella haptospora 2226

Acari: Varroidae

- Varroa destructor*
 France
Beauveria bassiana 8255
Beauveria pseudobassiana 8254
 8256 8258
Beauveria varroae 8257 8259

Araneae: Theridiidae

- Latrodectus geometricus*
 USA, Florida
Mucor fragilis 11762

Araneida

- Canada, Alberta
Conidiobolus coronatus 7010
- Denmark
Metarhizium anisopliae sensu lato
 5851
- France
Gibellula sp. 1669
- Indonesia, Bali
Gibellula sp. 570
- Indonesia, Sumatera Utara
Conidiobolus coronatus 567
- Indonesia, Sumatera Utara, Sumatra
Gibellula sp. 569
- Location not specified
 Unidentified sp. 3209
- Philippines
Isaria farinosa 2376
Paecilomyces sp. 2354
- Poland
 Unidentified sp. 1419
- PR China
Nomuraea atypicola 9594
- Russian Federation
Beauveria bassiana 9446
Beauveria sp. 7582
Clonostachys rosea 9492
Engyodontium album 7712 9454
Engyodontium(?) sp. 9475
Isaria tenuipes 9533
Lecanicillium muscarium 9467
Purpureocillium lilacinum 9528
Tolyptocladium cylindrosporum
 9503
Torrubiella sp. 7223
- Solomon Islands
Lecanicillium lecanii 1905
- Sri Lanka
Gibellula pulchra 1732
- USA, Florida
 Unidentified / Hyphomycetes 7345

USA, New York
Gibellula sp. 8927
Hymenostilbe verrucosa 2002

Araneida: ?Argiopidae
Solomon Islands
Nomuraea atypicola 1904

Araneida: ?Pholcidae
USA, New York
Engyodontium album 6002

Araneida: Araneae
Ethiopia
Beauveria bassiana 6690
Beauveria sp. 6691
Kazakhstan
Aphanocladium album 6492
USA, Vermont
Beauveria bassiana 5172 5173
Beauveria sp. 5174 5187
Isaria farinosa 5191
Paecilomyces sp. 5181 5183 5190
Verticillium lecanii 5167

Araneida: Pholcidae
Pholcus phalangoides
USA, Ohio
Engyodontium araneorum 2929
2935

Araneida: Salticidae
Euophrys ?trivittata
Solomon Islands
Gibellula clavulifera var. *alba* 1909
Torrubiella ratticaudata 1915 1916

Araneida: Tetragnathidae
Nephila clavipes
USA, Georgia
Nomuraea atypicola 7231

Opiliones
USA, Vermont
Isaria farinosa 5194
Paecilomyces sp. 5192
Canada, Alberta
Conidiobolus coronatus 7012 7013

Arthropoda • Crustacea
France
Amoebidium parasiticum 9182
USA, California
Amoebidium parasiticum 9257

Isopoda: Oniscoidea
Porcellio sp.
USA, California
Conidiobolus sp. 1672
Myriodontium keratinophilum 368
386

Arthropoda • Entognatha

Collembola
Kyrgyz Republic
Isaria farinosa 6482
South Africa
Conidiobolus sp. 11867
USA, California
Hirsutella sp. 2799
USA, North Carolina
Conidiobolus coronatus 8023

Collembola: Sminthuridae
Sminthurus viridis
Denmark
Beauveria bassiana 5853
Verticillium lecanii 5852

Protura
USA, New York
Conidiobolus sp. 11763
USA, Vermont
Lecanicillium evansii(?) 11807

Arthropoda • Insecta

Blattodea: Blattellidae
Supella longipalpa
India
Aspergillus sp. 8284

Coleoptera
Argentina
Beauveria bassiana 7470
Belarus
Isaria sp. 9519
Brazil, Goiás
Beauveria bassiana 754
Brazil, Pará
Beauveria caledonica 2251
Canada, British Columbia
Beauveria bassiana 7972
Ethiopia
Beauveria bassiana 6692 6693 6695
6696 6697
France
Beauveria bassiana 1980
Unidentified sp. 1634
Ghana
Unidentified / Hyphomycetes 8641
India
Beauveria brongniartii 2660
Metarhizium pingshaense 3210
Location not specified
Beauveria bassiana 293 4382
Mexico
Lecanicillium sp. 2(?) 2832
Philippines
Beauveria bassiana 3197 3198 3199
Isaria farinosa 2355
Poland
Beauveria bassiana 301
PR China
Beauveria bassiana 7164
Isaria catenobliqua 6244
Isaria fumosorosea 9602
Mixed Culture sp. 11718

Republic of Korea
Beauveria sp. 5697
Isaria fumosorosea 5694
Russian Federation
Beauveria bassiana 9444
Isaria fumosorosea 7716
Polycephalomyces sp. 9496
Turkey
Beauveria bassiana 10347
Beauveria pseudobassiana 5668
Beauveria sp. 5831
Ukraine
Beauveria sp. 7595
Isaria farinosa 9516
United Kingdom
Beauveria bassiana 6559 6560
USA, Florida
Beauveria bassiana 5979
USA, New York
Beauveria bassiana 350
USA, Texas
Isaria javanica 7119
USA, Vermont
Lecanicillium evansii(?) 11805
Solomon Islands
Metarhizium anisopliae sensu lato
4290 4333 4334 4335 4336 4337
4338 4339 4340 4341 4557 4558
4572 4582
Metarhizium pingshaense 4342
4610
Haphochelus marginalis
France
Metarhizium anisopliae sensu lato
3148

Coleoptera: Anthicidae
Anthicus floralis
Poland
Beauveria pseudobassiana 157

Coleoptera: Anthribidae
Araecerus fasciculatus
USA, Florida
Beauveria bassiana 413

Coleoptera: Bruchidae
Brazil, Goiás
Metarhizium anisopliae sensu lato
932
Brazil, Mato Grosso
Metarhizium anisopliae sensu lato
954
Caryedon serratus
France
Beauveria bassiana 1186

Coleoptera: Buprestidae
Kyrgyz Republic
Beauveria bassiana 6499
Agrilus planipennis
Canada, Ontario
Beauveria bassiana 10393 10394
10395 10396 10397 10398 10399
10400 10401 10402 10403 10404
10405 10406 10407 10408 10409
10410 10411 10412 10413 10414
10415 10416 10417 10418 10419

10420 10421 10422 10423 10424	Russian Federation	<i>Beauveria bassiana</i> 6387 6390 7155
10425 10426 10427 10428 10429	<i>Beauveria bassiana</i> 7581	7156 7157 7166 7167 7168 7169
10430 10431 10432 10433 10434	USA, Vermont	7170 7171 7172 7173 7174 7175
10435 10436 10437 10438 10439	<i>Hirsutella thompsonii</i> 11819	7176 7177 7178 8414
10440 10441 10442 10443 10444	<i>Isaria farinosa</i> 11831	<i>Metarhizium pingshaense</i> 8420
10445 10446 10447 10448 10449	USA, Washington	<i>Scopulariopsis</i> sp. 8421
10450 10451 10452 10453 10454	<i>Beauveria bassiana</i> 3386	USA, Connecticut
10455 10456 10457 10458 10459	Uzbekistan	<i>Beauveria bassiana</i> 6393
10460 10461 10462 10463 10464	<i>Beauveria bassiana</i> 6059 6099	<i>Metarhizium anisopliae</i> sensu lato
10465 10466 10467 10468	<i>Agonum dorsale</i>	6388
USA, Michigan	Denmark	<i>Metarhizium brunneum</i> 6392 7234
<i>Beauveria bassiana</i> 8771 8772 8773	<i>Isaria farinosa</i> 4029 4044	8415 8416 8417 8418 8419
8774	<i>Amara familiaris</i>	USA, Illinois
<i>Beauveria</i> sp. 8110 8111 8112 8113	Denmark	<i>Beauveria bassiana</i> 7152 7153 7154
8116 8117 8119 8120 8121 8122	<i>Beauveria bassiana</i> 4034	<i>Metarhizium anisopliae</i> sensu lato
8123 8124 8125 8126 8127 8128	<i>Amara plebeja</i>	7180
8129 8130 8132 8133 8134 8135	Denmark	USA, Massachusetts
8136 8137 8138 8139 8140 8141	<i>Beauveria bassiana</i> 4031	<i>Metarhizium anisopliae</i> sensu lato
8143 8144 8145 8146 8147 8148	<i>Bembidion lampros</i>	6389
8149 8150 8151 8152 8153 8154	Denmark	USA, Michigan
8156 8158 8159 8160 8161 8164	<i>Beauveria bassiana</i> 4032	<i>Aspergillus flavus</i> 6469
8166 8167 8168 8169 8170 8171	<i>Isaria farinosa</i> 4043	<i>Mucor circinelloides</i> 6470
8172 8173 8174 8175 8176 8177	<i>Calosoma</i> sp.	USA, New York
8178 8180 8181 8182 8185 8186	Poland	<i>Beauveria bassiana</i> 6391 7158 7159
8187 8188 8131	<i>Polycephalomyces formosus</i> 1424	7179 8412 8413
<i>Isaria farinosa</i> 9944 9945	<i>Carabus</i> sp.	<i>Isaria farinosa</i> 8411
<i>Isaria fumosorosea</i> 8142	Russian Federation	<i>Anoplophora malasiaca</i>
<i>Lecanicillium lecanii</i> 8115	<i>Sporothrix insectorum</i> 9502	Japan
<i>Lecanicillium muscarium</i> 8114 8118	Ukraine	<i>Beauveria brongniartii</i> 6235 6412
8157 8163 8165	<i>Simplicillium lamellicola</i> 9479	<i>Aromia moschata</i>
<i>Lecanicillium muscarium</i> (?) 8162	<i>Hapalus</i> sp.	Italy
Unidentified / Hyphomycetes 8155	Denmark	<i>Beauveria bassiana</i> 1559 1560 1561
8179 8183 8184	<i>Isaria farinosa</i> 4045	1562 1563
Coleoptera: Cantharidae	<i>Trechus quadristriatus</i>	<i>Dectes texanus</i>
Denmark	United Kingdom	USA, Kansas
<i>Batkoa</i> sp. 5810 2664	<i>Zoophthora anglica</i> 1739	<i>Beauveria bassiana</i> 6471
<i>Verticillium lecanii</i> 4048	Coleoptera: Cerambycidae	<i>Metarhizium robertsii</i> 6472
USA, New York	Brazil, Ceará	<i>Enaphalodes rufulus</i>
<i>Erynia</i> sp. 5352	<i>Beauveria bassiana</i> 785	USA, Arkansas
<i>Rhagonycha fulva</i>	Denmark	<i>Beauveria bassiana</i> 7404
Denmark	Sterile mycelium 4009	<i>Moechotypa diphysis</i>
<i>Erynia</i> sp. 2525 2536 2537 2538	Ecuador	Japan
2539 2553 2663	<i>Beauveria pseudobassiana</i> 2557	<i>Beauveria bassiana</i> 1678
Coleoptera: Carabidae	France	<i>Monochamus alternatus</i>
Belarus	<i>Beauveria bassiana</i> 5072	Japan
<i>Polycephalomyces</i> sp. 9497	<i>Isaria farinosa</i> 5073 5074 5075 5080	<i>Beauveria bassiana</i> 1679
Brazil, Goiás	Japan	<i>Monochamus scutellatus</i>
<i>Metarhizium anisopliae</i> sensu lato	<i>Harposporium janus</i> 5601	USA, Michigan
939	Mexico	<i>Beauveria bassiana</i> 7162 7163
Brazil, Mato Grosso	<i>Beauveria bassiana</i> 319	<i>Niphonoclea</i> sp.
<i>Beauveria bassiana</i> 952	Republic of Korea	Philippines
Brazil, Pará	<i>Beauveria bassiana</i> 6721 7251 7261	<i>Beauveria brongniartii</i> 1431
<i>Metarhizium anisopliae</i> sensu lato	7266 7275	<i>Ortholeptura valida</i>
1901	<i>Isaria farinosa</i> 7276	USA, Oregon
Ethiopia	Russian Federation	<i>Beauveria bassiana</i> 5997
<i>Beauveria bassiana</i> 6689	<i>Beauveria bassiana</i> 9442	<i>Phoracantha semipunctata</i>
France	USA, Rhode Island	Malawi
<i>Beauveria bassiana</i> 1975	<i>Beauveria bassiana</i> 318	<i>Beauveria malawiensis</i> 7760
Kazakhstan	<i>Agrianome spinicollis</i>	<i>Plectrodera scalator</i>
<i>Verticillium</i> sp. 6501	Australia	USA, Michigan
Mexico	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 7160 7161 7165
<i>Metarhizium robertsii</i> 2469	7498 7499 7500	<i>Lecanicillium lecanii</i> 7181 7182
Republic of Korea	<i>Anoplophora glabripennis</i>	<i>Psacotha hilaris</i>
<i>Beauveria bassiana</i> 7241 7270	PR China	Japan
<i>Beauveria brongniartii</i> 7268	<i>Beauveria amorpha</i> (?) 6827	<i>Beauveria amorpha</i> 1680
		<i>Beauveria bassiana</i> 1041

<i>Tetropium fuscum</i>	<i>Metarhizium robertsii</i> 724	USA, Nebraska
Norway	<i>Crimissa</i> sp.	<i>Beauveria bassiana</i> 3111
<i>Beauveria bassiana</i> 11660	Brazil, Ceará	<i>Diabrotica virgifera virgifera</i>
Coleoptera: Chrysomelidae	<i>Beauveria bassiana</i> 786 788 805	Mexico
Australia	<i>Crimissa cruralis</i>	<i>Beauveria bassiana</i> 9297 9298 9299
<i>Beauveria bassiana</i> 8835 8836	Brazil, Ceará	9300 9301 9302
<i>Isaria fumosorosea</i> 8840	<i>Beauveria bassiana</i> 4001	<i>Galerucella</i> sp.
Brazil, Goiás	<i>Diabrotica</i> sp.	USA, Texas
<i>Beauveria bassiana</i> 1971	Brazil	<i>Beauveria bassiana</i> 5465
Kazakhstan	<i>Beauveria bassiana</i> 3219	<i>Galerucina</i> sp.
<i>Isaria farinosa</i> 6491	Brazil, Amazonas	France
Mexico	<i>Beauveria bassiana</i> 2512	<i>Beauveria bassiana</i> 2463
<i>Beauveria bassiana</i> (?) 6890 6891	Brazil, Goiás	<i>Leptinotarsa decemlineata</i>
Nepal	<i>Beauveria bassiana</i> 956 2938 2942	Canada, Ontario
<i>Cordyceps scarabaeicola</i> 7277 7278	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 5807
Republic of Kazakhstan	1885 2513	Canada, Québec
<i>Beauveria bassiana</i> 10350	<i>Metarhizium robertsii</i> 2514	<i>Beauveria bassiana</i> 2987 2988 2989
Republic of Korea	Brazil, Mato Grosso	2990 2991
<i>Beauveria bassiana</i> 7244 7247 7271	<i>Beauveria bassiana</i> 946 947 948 949	Commonwealth of Independent States
7272	950 982	<i>Beauveria bassiana</i> 2695
<i>Beauveria sungii</i> 7279 7280	Colombia	France
USA, Florida	<i>Beauveria bassiana</i> 721	<i>Beauveria bassiana</i> 149 384 1982
<i>Tilachlidium</i> sp. 10132	Mexico	<i>Scopulariopsis</i> sp. 2327
USA, Vermont	<i>Beauveria bassiana</i> 3287	Germany
<i>Beauveria bassiana</i> 11844	<i>Diabrotica balteata</i>	<i>Beauveria bassiana</i> 340
<i>Metarhizium</i> sp. 11849	Mexico	Italy
Vietnam	<i>Beauveria bassiana</i> 3309	<i>Beauveria bassiana</i> 1106
<i>Beauveria bassiana</i> 751	<i>Diabrotica barberi</i>	Location not specified
Yugoslavia, Serbia	USA, South Dakota	<i>Beauveria bassiana</i> 5286
<i>Beauveria bassiana</i> 504	<i>Beauveria bassiana</i> 2579	Unidentified sp. 3724
<i>Agelastica alni</i>	<i>Diabrotica paranaensis</i>	Russian Federation
Denmark	Brazil, Goiás	<i>Beauveria bassiana</i> 9441
<i>Verticillium lecanii</i> 4022	<i>Beauveria bassiana</i> 739 752 758 809	USA, Maine
Republic of Georgia	Brazil, Mato Grosso	<i>Beauveria bassiana</i> 252 353
<i>Evlachovaea kintrischica</i> 7218 8058	<i>Beauveria bassiana</i> 937 938	USA, Maryland
Russian Federation	<i>Diabrotica speciosa</i>	<i>Beauveria bassiana</i> 8998
<i>Metarhizium</i> sp. 7643	Argentina	USA, Michigan
<i>Basilepta fulvicornis</i>	<i>Beauveria bassiana</i> 2515 8373	<i>Aspergillus</i> sp. 6571
India	Brazil, Alagoas	<i>Beauveria bassiana</i> 5813
<i>Beauveria</i> sp. 8250	<i>Beauveria bassiana</i> 1954	USA, New York
<i>Brontispa longissima</i>	Brazil, Bahia	<i>Beauveria bassiana</i> 534 535 1039
Australia	<i>Beauveria bassiana</i> 1961	1081 1619 1620 1621 1622 1623
<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato	1624 1704 1705 1706 1707 1708
8745 8746 8747	1958	1709 1710 1711 1712 1713 1721
Western Samoa	Brazil, Goiás	1722 1723 1749 1750 1775 1776
<i>Metarhizium anisopliae</i> sensu	<i>Beauveria bassiana</i> 928 1476 2625	1777 1778 1779 1780 1781 2030
stricto 2223	2626	2031 2032 5533 5534 5535 5536
<i>Cerotoma</i> sp.	Brazil, Paraná	5537 6986 6987 6988
Brazil, Mato Grosso	<i>Beauveria bassiana</i> 958 1060 1453	USA, Rhode Island
<i>Beauveria bassiana</i> 951	1454 1455 1461 1462 1463 1466	<i>Beauveria bassiana</i> 317
Brazil, Paraná	1469 2511 2520	USA, Washington
<i>Beauveria bassiana</i> 1458	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 344 1079
Brazil, Rio de Janeiro	1056	Yugoslavia
<i>Purpureocillium lilacinum</i> 1951	Brazil, Rio Grande do Sul	<i>Beauveria bassiana</i> 505 506 507 510
Brazil, Santa Catarina	<i>Beauveria bassiana</i> 1456 1459 1460	Yugoslavia, Croatia
<i>Beauveria bassiana</i> 1467	1464 1465 1475	<i>Beauveria bassiana</i> 509
<i>Cerotoma arcuata</i>	Brazil, Santa Catarina	<i>Lilioceris lili</i>
Brazil, Amazonas	<i>Beauveria bassiana</i> 1470 1471 1472	<i>Beauveria bassiana</i> 5195
<i>Beauveria bassiana</i> 731 732 756	1473	Denmark
Brazil, Bahia	<i>Diabrotica undecimpunctata</i>	<i>Fusarium</i> sp. 4011
<i>Beauveria bassiana</i> 2075	USA, Oregon	<i>Maecolaspis monroisi</i>
Brazil, Goiás	<i>Beauveria bassiana</i> 201	Argentina
<i>Beauveria bassiana</i> 931 934	<i>Diabrotica virgifera</i>	<i>Beauveria bassiana</i> 2509
<i>Metarhizium anisopliae</i> sensu lato	Mexico	
760 2076 2077 2635 2941	<i>Beauveria bassiana</i> 2330	

<i>Notonata</i> sp.	<i>Coccinella septempunctata</i>	<i>Paecilomyces</i> sp. 5184 5193
Costa Rica	Denmark	Canada, British Columbia
<i>Beauveria bassiana</i> 3437 3438 3439	<i>Beauveria bassiana</i> 4018	<i>Beauveria bassiana</i> 7978
3441 3442 3444 3446 3447 3450	<i>Beauveria</i> sp. 4027	Indonesia
3451 3452 3455	Location not specified	<i>Metarhizium brunneum</i> 2224
<i>Odontota dorsalis</i>	<i>Beauveria bassiana</i> 3534	United Kingdom
<i>Beauveria bassiana</i> 5553	Ukraine	<i>Beauveria bassiana</i> 7769
<i>Oulema melanopus</i>	<i>Isaria fumosorosea</i> 9521	USA, New York
France	USA, Michigan	<i>Beauveria bassiana</i> 3667
Unidentified sp. 3980	<i>Beauveria bassiana</i> 2580	<i>Anthonomus grandis</i>
<i>Pachybrachis pallicornis</i>	<i>Coleomegilla maculata</i>	Brazil
Malaysia	Brazil, Alagoas	<i>Beauveria</i> sp. 1835
<i>Beauveria</i> sp. 547	<i>Beauveria bassiana</i> 1956	Brazil, São Paulo
<i>Paropsis charybdis</i>	Brazil, Goiás	<i>Beauveria bassiana</i> 1966 2559 2638
New Zealand	<i>Metarhizium anisopliae</i> sensu lato	2639 2945 2946
<i>Beauveria pseudobassiana</i> 3066	808	USA, Texas
<i>Phyllotreta nigripes</i>	<i>Cycloneda sanguinea</i>	<i>Aspergillus</i> sp. 7048
Denmark	Argentina	<i>Beauveria bassiana</i> 3097 7795
Unidentified sp. 4037	<i>Beauveria bassiana</i> 2010 8372 8462	<i>Anthonomus musculus</i>
<i>Pyrrhalta fuscipennis</i>	8463	USA, Massachusetts
Japan	<i>Henosepilachna vigintioctopunctata</i>	<i>Beauveria bassiana</i> 3037
Mixed Culture sp. 1043	PR China	<i>Penicillium</i> sp. 3036
<i>Pyrrhalta luteola</i>	<i>Beauveria lii</i> 11741	<i>Pochonia bulbillosa</i> (?) 3035
France	<i>Hippodamia convergens</i>	USA, New Jersey
<i>Beauveria bassiana</i> 1509 1510 1511	Mexico	<i>Fusarium</i> sp. 3030 3031 3032
1518 1519	Unidentified sp. 3821	<i>Apion</i> sp.
<i>Isaria farinosa</i> 1507 1508	USA, New York	Denmark
<i>Isaria fumosorosea</i> 1506	<i>Beauveria bassiana</i> 4973 4974 4975	<i>Beauveria bassiana</i> 4023
<i>Lecanicillium lecanii</i> 1505	Coleoptera: Cucujidae: Silvaninae	<i>Aracanthus</i> sp.
<i>Pyrrhalta viburni</i>	<i>Ahasverus advena</i>	Brazil, Ceará
Russian Federation	Denmark	<i>Beauveria bassiana</i> 753
<i>Beauveria bassiana</i> 9449	<i>Beauveria bassiana</i> 5857	Brazil, Rio Grande do Sul
<i>Spaethiella</i> sp.	Coleoptera: Curculionidae	Unidentified sp. 3478
Brazil, Amazonas	<i>Metarhizium anisopliae</i> sensu lato	<i>Artipes</i> sp.
<i>Isaria fumosorosea</i> 2956	8098 8099	USA, Florida
<i>Systema</i> sp.	Argentina	<i>Stilbella buquetii</i> 2915
Brazil, Goiás	<i>Beauveria bassiana</i> 7202 7466 7471	<i>Barypeithes pellucida</i>
<i>Beauveria bassiana</i> 2079	8520 8521 8522 8523 8524 8525	USA, New York
<i>Xanthogaleruca luteola</i>	8526 8530	<i>Beauveria brongniartii</i> 6213 6214
Argentina	<i>Beauveria</i> sp. 7463	6215
<i>Beauveria bassiana</i> 5501	Brazil, Goiás	<i>Blosyrus asellus</i>
<i>Zygogramma bicolorata</i>	<i>Beauveria bassiana</i> 930	USA, Hawaii
India	Brazil, Paraná	<i>Metarhizium anisopliae</i> sensu lato
<i>Metarhizium pingshaense</i> 2231	<i>Beauveria bassiana</i> 1061	9217 9218
Coleoptera: Chrysomelidae: Hispinae	Denmark	<i>Brachyderes incanus</i>
<i>Beauveria bassiana</i> 8494	<i>Beauveria bassiana</i> 4052	Netherlands
Coleoptera: Coccinellidae	Indonesia, Sulawesi Selatan, Celebes	<i>Hirsutella fusiformis</i> 5474
<i>Beauveria bassiana</i> 11878	<i>Aspergillus parasiticus</i> 2173	PR China
Republic of Korea	<i>Metarhizium brunneum</i> 2210	<i>Isaria cateniannulata</i> 6243
<i>Beauveria</i> sp. 4853	Unidentified / Hyphomycetes 2225	<i>Ceutorhynchus litura</i>
Russian Federation	Papua New Guinea	Location not specified
<i>Beauveria</i> sp. 7591	<i>Scopulariopsis</i> sp. 2169	<i>Beauveria bassiana</i> 3403
Turkey	PR China	<i>Ceutorhynchus macula-alba</i>
<i>Beauveria pseudobassiana</i> 5678	<i>Isaria cateniannulata</i> 6241	<i>Metarhizium flavoviride</i> 2133
<i>Beauveria</i> sp. 5833	Republic of Korea	<i>Ceutorhynchus napi</i>
<i>Isaria farinosa</i> 5754 5834	<i>Beauveria bassiana</i> 2040	Switzerland
Unidentified / Hyphomycetes 5677	<i>Lecanicillium muscarium</i> 7248	<i>Conidiobolus coronatus</i> 1572 1573
Uzbekistan	Unidentified / Hyphomycetes 5695	1574 1575
<i>Beauveria bassiana</i> 6055 6061 6062	USA, Hawaii	<i>Chalcodermus</i> sp.
6063 6074 6075 6092 6095 6111	<i>Beauveria bassiana</i> 8705	Brazil, Mato Grosso
6112	USA, New York	<i>Beauveria bassiana</i> 941 942 943
<i>Coccinella</i> sp.	<i>Beauveria bassiana</i> 6216 6217	953
USA, New York	USA, Vermont	
<i>Beauveria bassiana</i> 2033 2034	<i>Isaria farinosa</i> 11830	

<i>Chalcodermus aeneus</i>	France	<i>Metarhizium anisopliae</i> sensu lato 818
Brazil, Goiás	<i>Acremonium furcatum</i> 1372	<i>Metarhizium brunneum</i> 817 820
<i>Beauveria bassiana</i> 733 734 735 736 738	<i>Aphanocladium album</i> 1329	<i>Metarhizium flavoviride</i> 2024
<i>Metarhizium anisopliae</i> sensu lato 725 929	<i>Beauveria bassiana</i> 1389 1398 1399 1515	<i>Metarhizium flavoviride</i> var. <i>flavoviride</i> 1184
USA, Georgia	<i>Beauveria</i> sp. 1327	Germany
<i>Beauveria bassiana</i> 336 337	<i>Lecanicillium muscarium</i> 1328 1401 1402 1403	<i>Metarhizium brunneum</i> 5198
<i>Fusarium</i> sp. 2568 2569	USA, Illinois	<i>Metarhizium robertsii</i> 1910
<i>Chalcodermus bimaculatus</i>	<i>Zoophthora phytonomi</i> 3342 3343 3344	Location not specified
Brazil, Goiás	<i>Hypera punctata</i>	<i>Verticillium insectorum</i> 3715
<i>Penicillium</i> sp. 2950	USA, Delaware	New Zealand
<i>Conotrachelus nenuphar</i>	<i>Zoophthora phytonomi</i> 2188	<i>Beauveria bassiana</i> 8078
Location not specified	USA, New York	<i>Beauveria pseudobassiana</i> 3065
<i>Beauveria bassiana</i> 1016	<i>Zoophthora phytonomi</i> 202	United Kingdom
USA, Michigan	<i>Hypera variabilis</i>	<i>Beauveria bassiana</i> 6552 7763
<i>Beauveria bassiana</i> 8260 8261 8262 8263	Israel	<i>Metarhizium anisopliae</i> sensu lato 6549
<i>Fusarium</i> sp. 8266 8267	<i>Conidiobolus osmodes</i> 79	<i>Metarhizium anisopliae</i> sensu stricto 6546
<i>Lecanicillium muscarium</i> (?) 8265	<i>Conidiobolus</i> sp. 80 81	<i>Verticillium lecanii</i> 6545
<i>Cosmopolites</i> sp.	<i>Zoophthora phytonomi</i> 113 191 192	USA, Oregon
Brazil	<i>Larinus</i> sp.	<i>Isaria farinosa</i> 2937
<i>Beauveria bassiana</i> 1833	Switzerland	<i>Phlyctinus callosus</i>
<i>Cosmopolites sordidus</i>	<i>Beauveria varroae</i> 2694	Australia
Brazil, Espírito Santo	<i>Listronotus maculicollis</i>	<i>Beauveria bassiana</i> 8756 8757
<i>Beauveria bassiana</i> 1483	USA, New York	<i>Pissodes strobi</i>
West Africa	<i>Metarhizium anisopliae</i> sensu lato 9374	Canada, British Columbia
<i>Beauveria bassiana</i> 4798 4799	<i>Listronotus oregonensis</i>	<i>Lecanicillium muscarium</i> 8048 8049 8050 8051 8052 8053 8054
<i>Curculio caryae</i>	Canada, Québec	<i>Lecanicillium pissodis</i> 8055 8056 8057
USA	<i>Beauveria bassiana</i> 2983 2984 2985 2986	<i>Premnotryes latithorax</i>
<i>Metarhizium robertsii</i> 3608	<i>Metarhizium robertsii</i> 2981	Peru
USA, Arkansas	<i>Litodactylus leucogaster</i>	<i>Beauveria bassiana</i> 5983 5984
<i>Sorosporella uwelli</i> 1123	USA, Florida	<i>Premnotrypes suturicallus</i>
USA, Georgia	<i>Isaria javanica</i> 322	Peru
<i>Beauveria bassiana</i> 2676	<i>Metamasius</i> sp.	<i>Beauveria amorpha</i> 1969
USA, South Carolina	Colombia	<i>Premnotrypes vorax</i>
<i>Metarhizium robertsii</i> 2575	<i>Beauveria bassiana</i> 842	Colombia
<i>Cyrtopistomus castaneus</i>	<i>Metamasius callizona</i>	<i>Beauveria bassiana</i> 2248
USA, Kentucky	USA, Florida	<i>Isaria farinosa</i> 799
<i>Beauveria bassiana</i> 2270	<i>Beauveria bassiana</i> 5986	<i>Rhabdoscelus obscurus</i>
<i>Beauveria brongniartii</i> 2271	<i>Metamasius hemipterus</i>	Australia
<i>Desiantha diversipes</i>	Brazil, Paraná	<i>Metarhizium anisopliae</i> sensu lato 8762 8828 8847
<i>Metarhizium anisopliae</i> sensu lato 8568 8569	<i>Beauveria bassiana</i> 2642	<i>Rhynchites aequatus</i>
<i>Diaprepes abbreviata</i>	<i>Myllocerus discolor</i>	Denmark
Location not specified	India	<i>Beauveria bassiana</i> 8037
<i>Beauveria bassiana</i> 433	<i>Metarhizium guizhouense</i> 3603	<i>Rhynchites baccus</i>
USA, Florida	<i>Oryzophagus oryzae</i>	Turkey
<i>Aspergillus nidulans</i> (?) 6515	Brazil, Rio Grande do Sul	<i>Beauveria bassiana</i> 8668
<i>Beauveria bassiana</i> 412 416	<i>Beauveria bassiana</i> 3098	<i>Rhynchophorus ferrugineus</i>
<i>Cladosporium sphaerospermum</i> 6516	<i>Otiorhynchus ligustici</i>	Iran
<i>Metarhizium pingshaense</i> 5197	Hungary	<i>Beauveria bassiana</i> 6903
<i>Purpureocillium lilacinum</i> 410	<i>Beauveria bassiana</i> 6884 6885	<i>Shirahoshizo insidiosus</i>
<i>Geraeus senilis</i>	USA, New York	Japan
Mexico	<i>Fusarium</i> sp. 4825	<i>Beauveria</i> sp. 1681
<i>Beauveria bassiana</i> 3310 3311	<i>Metarhizium anisopliae</i> sensu lato 4819 4820 4821 4822 4823 4824	<i>Sitona</i> sp.
<i>Metarhizium anisopliae</i> sensu lato 3305 3306 3308	<i>Otiorhynchus sulcatus</i>	France
<i>Heilipodus erythropus</i>	Australia	<i>Beauveria bassiana</i> 1647
Argentina	<i>Metarhizium brunneum</i> 4228	New Zealand
<i>Beauveria bassiana</i> 8461	France	<i>Beauveria bassiana</i> 8077
<i>Hypera postica</i>	<i>Beauveria bassiana</i> 815 1073 1074 1075	<i>Beauveria pseudobassiana</i> 3063
Denmark	<i>Beauveria pseudobassiana</i> 813 814	

- Sitona discoideus*
France
 Beauveria bassiana 816 1185 1191
 Metarhizium guizhouense 819
Morocco
 Beauveria bassiana 1153 1154 1155
 1163 1164 1171 1172 1173 1174
 1175 1176 1177 1178 1179 1180
 1181 1183 1188 1189 1190 1309
 1311 1312 1313 1811 1815 1816
 1817 1818 1819 1820 1821
 Fusarium sp. 1310
Sitona humeralis
France
 Beauveria bassiana 1491
Sitona lineatus
Denmark
 Beauveria bassiana 4013 4015 4016
 4019 4021 4041
 Isaria farinosa 4039
 Lecanicillium muscarium 4033
 Metarhizium brunneum 4020
France
 Beauveria bassiana 1156 1157 1158
 1159 1160 1161 1162 1165 1167
 1168 1169 1170 1182 1192 1193
 1194 1306
Sitophilus sp.
United Kingdom
 Beauveria bassiana 7764 7773 7774
Sitophilus oryzae
Republic of Korea
 Cordyceps sp. 4852
Sternechus subsignatus
Brazil, Paraná
 Beauveria bassiana 1450
 Metarhizium anisopliae sensu lato
 1989
Brazil, Rio Grande do Sul
 Unidentified sp. 3471
- Coleoptera: Curculionidae: Apioninae**
Cylas formicarius elegantulus
Peru
 Beauveria bassiana 5982
USA, Florida
 Beauveria bassiana 5981
- Coleoptera: Dermestidae**
Kazakhstan
 Verticillium sp. 6484
- Coleoptera: Elateridae**
Australia
 Metarhizium anisopliae sensu lato
 8543 8544 8545 8546 8547 8548
Belarus
 Purpureocillium lilacinum 9524
 Lecanicillium fungicola 9483
Brazil, Ceará
 Beauveria bassiana 784 804
Canada, British Columbia
 Tolyposcladium cylindrosporum
 7456
France
 Beauveria bassiana 150
- Japan
 Tilachlidium sp. 2415
Russian Federation
 Beauveria brongniartii 9452
 Beauveria sp. 7580 7635 7636
 Tolyposcladium cylindrosporum
 7812
Turkey
 Beauveria bassiana 5670
USA, New York
 Lecanicillium nr. *aranearum* 11811
 Metarhizium anisopliae sensu lato
 11850
Agriotes sp.
Germany
 Evlachovaea sp. 7403
Switzerland
 Metarhizium anisopliae sensu lato
 7524
United Kingdom
 Metarhizium anisopliae sensu lato
 6551
USA, Oregon
 Metarhizium anisopliae sensu lato
 7494
 Metarhizium brunneum 2107
Agriotes sputator
Denmark
 Zoophthora anglica 2505
Switzerland
 Metarhizium anisopliae sensu lato
 1377
 Zoophthora anglica 396
Athalia rosae
Switzerland
 Pandora blunckii 915 917 920 1715
 1716 1717 1718
Conoderus sp.
New Zealand
 Metarhizium anisopliae sensu
 stricto 2518
USA
 Metarhizium anisopliae sensu lato
 1903
USA, California
 Metarhizium robertsii 1897
USA, North Carolina
 Metarhizium robertsii 23
Limonius canus
USA, Washington
 Metarhizium anisopliae sensu lato
 7000 7001 7002 7003 7004 7005
 7006 7007 7008 7009
- Coleoptera: Hispinae**
Promecotheca papuana
Papua New Guinea
 Synnematium jonesii 5664
- Coleoptera: Histeridae**
Carcinops pumilio
Denmark
 Verticillium lecanii 5856
- Coleoptera: Lagriidae**
Lagria vilosa
Brazil
 Isaria amoenerosea 4097
Brazil, Alagoas
 Isaria farinosa 1957
Brazil, Goiás
 Beauveria bassiana 2961
 Isaria amoenerosea 741 744 2220
 2958 2959 2960
 Isaria fumosorosea 722 2216 2217
 2219 2221
 Purpureocillium lilacinum 723 2952
 Pochonia chlamydosporia var.
 chlamydosporia 2218
- Coleoptera: Lampyridae**
Russian Federation
 Isaria coleopterorum 9509
 Lecanicillium nr. *aranearum* 9460
USA, Vermont
 Beauveria sp. 5186 5188
Cratomorphus diaphanus
Argentina
 Beauveria bassiana 8464
- Coleoptera: Languriidae**
Costa Rica
 Beauveria bassiana 3457
- Coleoptera: Meloidae**
Republic of Korea
 Isaria amoenerosea 4849
- Coleoptera: Melyridae**
Malachius bipustulatus
Poland
 Lecanicillium muscarium 1335
- Coleoptera: Nitidulidae**
Australia
 Beauveria bassiana 325
- Coleoptera: Pythidae**
Pytho sp.
Canada, British Columbia
 Beauveria bassiana 1854
- Coleoptera: Rhizophagidae**
Rhizophagus grandis
Belgium
 Beauveria bassiana 1848
- Coleoptera: Scarabaeidae**
Australia
 Metarhizium brunneum 472
Brazil, Distrito Federal
 Metarhizium anisopliae sensu lato
 3479
Ethiopia
 Beauveria bassiana 6686
Kazakhstan
 Isaria farinosa 6488 6489
Kyrgyz Republic
 Verticillium sp. 6486
Location not specified
 Beauveria brongniartii 4380 4381

Nepal	<i>Anomala cuprea</i>	<i>Cotinis nitida</i>
<i>Metarhizium anisopliae</i> sensu lato	<i>Cordyceps brongniartii</i> 7517	USA, Georgia
7527 7529	Japan	<i>Metarhizium anisopliae</i> sensu lato
Papua New Guinea	<i>Beauveria bassiana</i> 1683	11951
<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria</i> sp. 1682	<i>Cyclocephala</i> sp.
2163	<i>Cordyceps brongniartii</i> 7516	Australia
<i>Metarhizium pingshaense</i> 2162	<i>Anomala</i> sp.	<i>Metarhizium anisopliae</i> sensu lato
Poland	Myanmar	8837 8838
<i>Metarhizium majus</i> 1858 1859	<i>Metarhizium anisopliae</i> sensu lato	<i>Dasygnathus dejeani</i>
PR China	8738 8739 8740 8741 8742 8743	Australia
<i>Metarhizium guizhouense</i> 683	<i>Anoplognathus</i> sp.	<i>Metarhizium anisopliae</i> sensu lato
Republic of Korea	Australia	8839
<i>Beauveria bassiana</i> 7264	<i>Beauveria bassiana</i> 8763	<i>Dermolepida albobirtum</i>
<i>Beauveria sungii</i> 5689	<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato
Russian Federation	8764	7492
<i>Clonostachys rosea</i> 9491	<i>Metarhizium majus</i> 4566 4601 7505	<i>Metarhizium</i> sp. 7493
<i>Cordyceps</i> sp. 7848	<i>Anoplognathus hirsutus</i>	Australia
<i>Engyodontium rectidentatum</i> 7805	Australia	<i>Metarhizium anisopliae</i> var. <i>lepidiotae</i> 7453
Syria	<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato
<i>Purpureocillium lilacinum</i> 6110	4574 4779	7452 8744 8754 8755 10469
Turkey	<i>Antitrogus consanguineus</i>	<i>Metarhizium lepidiotae</i> 7488
<i>Beauveria pseudobassiana</i> 5669	Australia	<i>Diloboderus abderus</i>
USA, Vermont	<i>Metarhizium anisopliae</i> sensu lato	Argentina
<i>Pochonia chlamydosporia</i> 3314	8761	<i>Metarhizium brunneum</i> 6120
Uzbekistan	<i>Antitrogus mussoni</i>	<i>Heptophylla picea</i>
<i>Beauveria bassiana</i> 6058	Australia	Japan
<i>Adoryphorus</i> sp.	<i>Metarhizium anisopliae</i> sensu lato	<i>Paecilomyces canadensis</i> 984
Australia	7842 7865 7931	<i>Heteronychus arator</i>
<i>Metarhizium frigidum</i> 4124	<i>Metarhizium pingshaense</i> 7417	Australia
<i>Adoryphorus coulonii</i>	<i>Antitrogus parvulus</i>	<i>Metarhizium anisopliae</i> sensu lato
<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato	7932 7933 7934 7935 7936 8549
4142 4239	8832 8893	8550 8551 8552 8553 8554 8555
Australia	Australia	8556 8557 8576 8848 8849
<i>Beauveria amorphia</i> 4149	<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium robertsii</i> 7424
<i>Beauveria bassiana</i> 4135 4136	7496 7819 7839 7854 7864 8833	<i>Heteronyx</i> sp.
<i>Beauveria pseudobassiana</i> 4274	8834	Australia
4721	<i>Metarhizium pingshaense</i> 7410	<i>Metarhizium anisopliae</i> sensu lato
<i>Metarhizium anisopliae</i> sensu lato	<i>Aphodius fimetarius</i>	7843 7844 8586
4137 4138 4141 4346 4677 4716	Denmark	<i>Metarhizium robertsii</i> 7449
4722 7815	<i>Verticillium lecanii</i> 4047	<i>Heteronyx piceus</i>
<i>Metarhizium flavoviride</i> var.	<i>Aphodius howitti</i>	Australia
<i>flavoviride</i> 4719 4720	Location not specified	<i>Metarhizium anisopliae</i> sensu lato
Sterile mycelium 4243	<i>Ophiocordyceps aphodii</i> 5498	7451 8500 8558 8559 8582 8583
<i>Amphimallon majale</i>	<i>Aphodius tasmaniae</i>	8592 8615 8616 8617 8618 8619
USA, New York	Australia	8620 8621
<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu
9373	4125 4132 4133 4139 7845	stricto 7450
<i>Amphimallon solstitiale</i>	<i>Metarhizium brunneum</i> 346 4131	<i>Heteronyx rugosipennis</i>
Denmark	Unidentified sp. 4140	Australia
<i>Beauveria caledonica</i> 8024	New Zealand	<i>Metarhizium anisopliae</i> sensu lato
Turkey	<i>Beauveria bassiana</i> 8079	8563 8564 8565 8566 8567 8577
<i>Clonostachys rosea</i> 11678 11682	<i>Beauveria pseudobassiana</i> 3070	8610
11687	<i>Cochliotis melolonthoides</i>	<i>Holotrichia consanguinea</i>
<i>Fusarium</i> sp. 11670 11671 11672	Tanzania	India
11673 11674 11675 11677 11679	Unidentified / Hyphomycetes	<i>Metarhizium anisopliae</i> sensu
11680 11684 11676 11668 11669	11666	stricto 10475
11685 11686 11681 11683	<i>Costelytra zealandica</i>	<i>Holotrichia parallela</i>
<i>Ancognatha scarabaeoides</i>	Netherlands	China
Colombia	<i>Beauveria brongniartii</i> 7761	<i>Beauveria asiatica</i> 4384 4474
<i>Beauveria bassiana</i> 2249 2250	New Zealand	<i>Beauveria brongniartii</i> 4385 4386
<i>Metarhizium robertsii</i> 797	<i>Beauveria brongniartii</i> 3054	4388 4465 4466 4467 4468 4469
<i>Anomala costata</i>	<i>Beauveria pseudobassiana</i> 3055	4470 4471 4472 4473 4475 4476
Japan	<i>Metarhizium anisopliae</i> sensu lato	4477 4478
<i>Beauveria amorphia</i> 1676	3056 3057	<i>Mixed Culture</i> sp. 4387
<i>Beauveria brongniartii</i> 985	<i>Metarhizium pingshaense</i> 7435	

<i>Holotrichia serrata</i>	<i>Oryctes rhinoceros</i>	Portugal
India	France	<i>Beauveria bassiana</i> 5148 5150
<i>Metarhizium anisopliae</i> sensu stricto 10472 10476	<i>Metarhizium anisopliae</i> var. <i>majus</i> 3145	<i>Isaria fumosorosea</i> 2679
<i>Lachnosterna bidentata</i>	<i>Metarhizium majus</i> 978	<i>Metarhizium anisopliae</i> sensu lato 3329 4907 4908
Malaysia	Indonesia, Jawa Barat, Java	<i>Metarhizium brunneum</i> 3864
<i>Metarhizium flavoviride</i> 8737	<i>Metarhizium anisopliae</i> var. <i>majus</i> 2151	<i>Metarhizium robertsii</i> 5149
<i>Lachnosterna morosa</i>	Philippines	Unidentified sp. 3841
Japan	<i>Metarhizium majus</i> 1946	USA, Connecticut
<i>Beauveria sungii</i> 1685	Thailand	<i>Metarhizium anisopliae</i> sensu lato 3713 3720
<i>Lepidiota consobrina</i>	<i>Metarhizium pingshaense</i> 538	<i>Metarhizium robertsii</i> 3721
<i>Metarhizium anisopliae</i> sensu lato 8830 8831	<i>Pachnoda interrupta</i>	Unidentified sp. 3722
Australia	Ethiopia	USA, New York
<i>Metarhizium anisopliae</i> var. <i>lepidiotae</i> 8732	<i>Aspergillus flavus</i> 6454	<i>Metarhizium anisopliae</i> sensu lato 1280 2548 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 9372
<i>Metarhizium anisopliae</i> sensu lato 7411 7827 7828 7846 8845 8850	<i>Beauveria bassiana</i> 6669 6676 6681	<i>Metarhizium robertsii</i> 1298 1878
<i>Metarhizium lepidiotae</i> 7412	<i>Metarhizium anisopliae</i> sensu lato 6670 6671 6672 6673 6674 6675 6677 6678 6679 6680 6682 6683 6684 6685	<i>Purpureocillium lilacinum</i> 9371
<i>Lepidiota frenchi</i>	Papua New Guinea	<i>Rhizotrogus majalis</i>
Australia	<i>Metarhizium anisopliae</i> sensu lato 8748	USA, New York
<i>Metarhizium anisopliae</i> sensu lato 7829 7830 7831 8733	<i>Papuana woodlarkiana</i>	<i>Metarhizium robertsii</i> 2547 3108 3211 4123
<i>Lepidiota gibbifrons</i>	Papua New Guinea	Unidentified / Hyphomycetes 2999
Australia	<i>Metarhizium guizhouense</i> 4604	<i>Rhopaea magnicornis</i>
<i>Metarhizium anisopliae</i> sensu lato 7824 7825 7826	<i>Phyllopertha horticola</i>	Australia
<i>Lepidiota negatoria</i>	Norway	<i>Beauveria bassiana</i> 4130 7813 8853 8854
Australia	<i>Metarhizium anisopliae</i> sensu lato 6901	<i>Isaria fumosorosea</i> 8892
<i>Metarhizium anisopliae</i> sensu lato 7832	<i>Metarhizium brunneum</i> 6477	<i>Metarhizium anisopliae</i> sensu lato 8492 8765 8766 8767 8829 8844
<i>Lepidiota noxia</i>	<i>Phyllophaga</i> sp.	<i>Metarhizium</i> sp. 7495 8851 8852 8855 8856 8857
Australia	Mexico	<i>Rhopaea verreauxii</i>
<i>Metarhizium anisopliae</i> sensu lato 7504	<i>Beauveria bassiana</i> 5740 5741 5742 5743 5744 5745	Australia
<i>Lepidiota picticollis</i>	<i>Phyllophaga ?anxia</i>	<i>Metarhizium anisopliae</i> sensu lato 8495
<i>Metarhizium anisopliae</i> sensu lato 8501	Canada	<i>Scapanes australis</i>
<i>Lepidiota squamulata</i>	<i>Metarhizium anisopliae</i> sensu lato 2135 2136 2137 2138 2139	Papua New Guinea
Australia	<i>Metarhizium robertsii</i> 2134	<i>Metarhizium pingshaense</i> 3604
<i>Metarhizium anisopliae</i> sensu lato 7816	<i>Phyllophaga anxia</i>	<i>Sericesthis micans</i>
<i>Melolontha</i> sp.	Canada	Australia
Germany	<i>Metarhizium anisopliae</i> sensu lato 8499	<i>Metarhizium anisopliae</i> sensu lato 4568 4777 4778
<i>Beauveria brongniartii</i> 5355 5356 5357 5358 5359 5360 5361 5362 5363 5364	<i>Phyllophaga cuyabana</i>	<i>Sericesthis nigrolineata</i>
<i>Melolontha melolontha</i>	Brazil, Paraná	Australia
France	<i>Metarhizium anisopliae</i> sensu stricto 3924	<i>Beauveria bassiana</i> 7853
<i>Beauveria brongniartii</i> 617 979	<i>Phyllophaga menetriesi</i>	<i>Metarhizium anisopliae</i> sensu lato 4780 7814 7863
<i>Metarhizium guizhouense</i> 977	Colombia	<i>Sericesthis</i> sp.
Switzerland	<i>Evlachovaea</i> sp. 7551	Australia
<i>Beauveria brongniartii</i> 1067 1068 1069 1070 1071 1072 1076 1077 7528	<i>Popillia japonica</i>	<i>Metarhizium anisopliae</i> sensu lato 4134 4236
<i>Metarhizium anisopliae</i> sensu lato 7532	Azores	<i>Strigoderma arboricola</i>
<i>Metarhizium brunneum</i> 1066	<i>Beauveria amorpha</i> 4990	USA, Michigan
<i>Oryctes</i> sp.	<i>Beauveria brongniartii</i> 4992 4993 4994 4995	<i>Metarhizium robertsii</i> 1968
Papua New Guinea	Japan	<i>Xyloryctes jamaicensis</i>
<i>Metarhizium anisopliae</i> sensu lato 2156 2165 2166 2167	<i>Beauveria brongniartii</i> 4389 4458	India
Philippines	<i>Beauveria</i> sp. 4390 4391 4392	<i>Beauveria</i> sp. 2412
<i>Metarhizium majus</i> 1914	<i>Metarhizium robertsii</i> 1046	Western Samoa
	Unidentified / Hyphomycetes 5223 5224 5225 5226 5227	<i>Metarhizium anisopliae</i> var. <i>majus</i> 297 298
	Location not specified	
	<i>Beauveria bassiana</i> 3716 3717	
	<i>Cordyceps</i> sp. 3718 3714 3719	

Coleoptera: Scarabaeidae: Aphodiinae

USA, New York

Tolyptocladium inflatum 4877 4878
4879 4880 4881 4882 4883 4884
4885 4886 4887 4888 4889 4890
4891 4892 4893 4894 4895 4896
4897 4898

Coleoptera: Scarabaeidae: Melolonthinae*Antitrogus rugulosus*

Australia

Paraisaria dubia 5764**Coleoptera: Scolytidae**

Switzerland

Beauveria bassiana 1566
Beauveria caledonica 1567

USA, Hawaii

Beauveria bassiana 3040*Dendroctonus micans*

Denmark

Lecanicillium muscarium 4036

Turkey

Beauveria bassiana(?) 9271
Beauveria sp. 9272 9273 9274
Isaria farinosa 9269 9270 9275 9276
9277 9278
Lecanicillium muscarium 9267
9268

Dendroctonus ponderosae

Canada, British Columbia

Beauveria bassiana 1849 1853*Dendroctonus rufipennis*

Canada, British Columbia

Evlachovaea sp. 1017*Dryocoetes confusus*

Canada

Beauveria bassiana 9184

Canada, British Columbia

Beauveria bassiana 1852*Hypothenemus hampei*

Benin

Fusarium sp. 5875 5878
Purpureocillium lilacinum 5876
5877 5880 5882 6188 6190

Brazil, São Paulo

Beauveria bassiana 1480

Cameroon

Beauveria bassiana 6526 6527 6528
6529 6530 6531 6532

Colombia

Acremonium alternatum 7282
Fusarium sp. 6602

Indonesia, Sulawesi

Fusarium sp. 7063

Ivory Coast

Beauveria bassiana 5436 5437 5438
5439 5440 5441 5442 5459 5460
5477 5482 5483 5484 5485 5486
5487

Fusarium sp. 5461*Isaria fumosorosea* 6730

Kenya

Beauveria bassiana 2685 2686 2687

Mexico

Beauveria bassiana 2693 3818 3819
Isaria fumosorosea 7284

Nicaragua

Beauveria bassiana 3440 3443 3445
3448 3453

Sri Lanka

Beauveria bassiana 7758

Togo

Beauveria bassiana 2688 2689 2690
2691 2692 5443 5444 5445 5446
5447 5448 5449 5450 5451 5452
5453 5454 5455 5456 5457 5458
5478 5479 5480 5481 5488 5489
5490

Uganda

Fusarium sp. 5879

USA, Hawaii

Beauveria bassiana 10471

USA, Texas

Candida sp. 5729*Ips* sp.

Canada, British Columbia

Beauveria pseudobassiana 1855

USA, New Hampshire

Lecanicillium muscarium 11803

USA, Vermont

Lecanicillium nr. *aranearum* 11799*Ips stenographus*

Norway

Beauveria bassiana 6900*Ips typographus*

Denmark

Beauveria brongniartii 4024

Switzerland

Beauveria bassiana 7525 7526*Tomicus minor*

France

Beauveria bassiana 5071
Beauveria pseudobassiana 4933
5070

Tomicus pimperda

France

Beauveria sp. 4909 4910 4911 4912
4913 4914 4915 4916 4917 4918

Coleoptera: Scolytidae (Tribe Ipini)

PR China

Beauveria pseudobassiana 6229**Coleoptera: Silphidae**

Russian Federation

Isaria farinosa 9511
Lecanicillium sp. 9459

Coleoptera: Staphylinidae

Australia

Metarhizium anisopliae sensu lato
8734

Denmark

Beauveria bassiana 4055

USA, Nebraska

Beauveria bassiana 3112

USA, New York

Paecilomyces carneus 11836*Anotylus rugosus*

Denmark

Beauveria bassiana 4051 4056*Anotylus* sp.

Denmark

Beauveria bassiana 4046*Gyrophypnus angustatus*

Denmark

Beauveria bassiana 4054*Staphylinus olens*

Denmark

Isaria farinosa 4040*Tachyporus hypnorum*

Denmark

Lecanicillium longisporum 4050*Tachyporus* sp.

Denmark

Beauveria bassiana 4028**Coleoptera: Tenebrionidae**

Brazil, Ceará

Beauveria bassiana 757 783 787

Kazakhstan

Beauveria bassiana 6478 6483*Verticillium lecanii* 6487

Republic of Korea

Isaria farinosa 5699

USA, Vermont

Isaria farinosa 11827

Uzbekistan

Beauveria bassiana 6057 6064 6077
6078 6096 6113

Alphitobius diaperinus

Beauveria bassiana 5836 5838 5839
5840 5843

Isaria fumosorosea 5844 5845 5846
5847

Metarhizium anisopliae sensu lato

5837 5841 5842 5848 5850

Verticillium lecanii 5849

Denmark

Isaria farinosa 5858

USA, West Virginia

Beauveria bassiana 7941*Pterohelaeus darlingensis*

Australia

Beauveria bassiana 8065*Tenebrio molitor**Aspergillus flavus* 9381

Denmark

Beauveria bassiana 8038

Finland

Beauveria bassiana 5623*Isaria fumosorosea* 5627*Metarhizium brunneum* 5626

Mexico

Metarhizium anisopliae sensu lato
11945 11946 11947

Republic of China

Isaria farinosa 8917*Lecanicillium muscarium* 8923*Metarhizium anisopliae* sensu lato

8775 8776 8777 8778 8779 8780

8781 8782 8783 8784 8785 8786

8787 8788 8789 8790 8791 8792

8793 8794 8795 8796 8797 8798

- 8799 8858 8859 8860 8861 8862
8863 8864 8865 8866 8867 8868
8869 8870 8871 8872 8873 8874
8875 8876 8877 8878 8879 8880
8881 8882 8883 8884 8885 8886
8887 8894 8895 8896 8897 8898
8899 8900 8901 8902 8903 8904
8905 8906 8907 8908 8909 8910
8911 8912 8913 8914 8915 8916
8941 8942 8943 8944 8945 8946
8947 8948 8949 8950 8951 8952
8953 8954 8955 9235 9236
Purpureocillium lilacinum 8918
8919 8920 8921 8922
Scopulariopsis sp. 11652
Tribolium castaneum
Finland
Beauveria pseudobassiana 5622
Metarhizium anisopliae sensu lato
5624
Metarhizium brunneum 5625
USA, Washington
Metarhizium anisopliae sensu lato
3389
Metarhizium robertsii 3388
- Coleoptera: adephaga**
Turkey
Beauveria bassiana 5672
PR China
Isaria farinosa 11710
Colombia
Beauveria bassiana 796
Republic of Korea
Beauveria bassiana 7252
Russian Federation
Evlachovaea sp. 7602
USA, Florida
Beauveria bassiana 5991
USA, Vermont
Beauveria bassiana 5495 5496
- Dermaptera: Forficulidae**
Doru lineare
Argentina
Beauveria bassiana 8374 8465
Forficula africana
Benin
Beauveria bassiana 5652
Nigeria
Beauveria bassiana 5650 5651
Forficula auricularia
Brazil, Distrito Federal
Beauveria bassiana 3018
Denmark
Zoophthora sp. 3486 3487 3488
- Dictyoptera: Blattellidae**
Blattella germanica
Denmark
Isaria fumosorosea 5855
Location not specified
Candida sp. 1924 1925 1926
USA, Maryland
Candida sp. 1877
- Dictyoptera: Blattidae**
Periplaneta americana
USA, Louisiana
Candida sp. 1857
- Dictyoptera: Mantidae**
Republic of Korea
Beauveria bassiana 7236 7238
- Diptera**
Argentina
Zoophthora radicans 8466
Brazil, Bahia
Beauveria bassiana 1962
Brazil, Ceará
Erynia sp. 876 880 884
Brazil, Goiás
Furia americana 742 2192 2194
Brazil, Paraná
Furia americana 1240 1242
Canada, Ontario
Smittium mucronatum 9063
Smittium sp. 9065 9088 9265
Denmark
Entomophthora muscae 6701
Erynia sp. 2495 5812
Zoophthora radicans 2499 2500
2501 2503 2506 2523 2554
France
Isaria fumosorosea 887
India
Fusarium sp. 2414
Indonesia, Yogyakarta, Java
Paecilomyces sp. 2350 2378
Israel
138
Poland
Conidiobolus thromboides 86 87
Zoophthora radicans 1337
Republic of Korea
Beauveria bassiana 7269
Russian Federation
Lecanicillium muscarium 7224
Mariannaea elegans 9456
Sri Lanka
Beauveria bassiana 2454
Switzerland
Entomophthora muscae 392
Pandora dipterigena 1720
Zoophthora radicans 388
Ukraine
Lecanicillium muscarium 9470
Metarhizium anisopliae 9487
Mariannaea elegans 9455
USA, Hawaii
Beauveria bassiana 8707 8712
USA, Maine
Pandora dipterigena 131
USA, New Hampshire
Lecanicillium evansii(?) 11785
USA, New York
Entomophthora muscae 7371
Isaria farinosa 10165
Lecanicillium muscarium 10173
Lecanicillium psalliotae 10179
Lecanicillium wallacei(?) 10172
Pandora dipterigena 1921 1923
Pochonia chlamydosporia var.
chlamydosporia 11810
Unidentified sp. 1922
USA, Oregon
Smittium sp. 9051
USA, Puerto Rico
Unidentified / Hyphomycetes 7078
USA, Utah
Smittium culicis 9059
USA, Vermont
Beauveria bassiana 10141 10149
Isaria farinosa 10156 10160 11834
Lecanicillium evansii(?) 11795
Lecanicillium wallacei(?) 10174
Metarhizium anisopliae sensu lato
9939
Pochonia chlamydosporia var.
chlamydosporia 11786
Unidentified / Hyphomycetes
10171
- Diptera: ?Lauxaniidae**
Poland
Hirsutella radiata 1369
- Diptera: ?Sciaridae**
USA, New York
Pandora dipterigena 1887
- Diptera: ?Stratiomyidae**
Indonesia, Jawa Barat, Java
Isaria fumosorosea 2425
- Diptera: Anthomyiidae**
Denmark
Conidiobolus sp. 2494
Entomophthora muscae 2678
France
Entomophthora muscae 2087 2088
Botanophila fugax
Denmark
Entomophthora muscae 6712
Delia sp.
France
Entomophthora muscae 2089 2263
2264 2265 2266 2317
Delia antiqua
France
Beauveria bassiana 1864 1865 1866
USA, New York
Entomophthora muscae 3074
Delia floralis
Norway
Arthrobotrys oligospora 5561 5562
Metarhizium anisopliae sensu lato
5520
Tolypocladium cylindrosporium
5525 5526 5527 5528 5529 5530
5531 5532 5558 5559
Delia platura
United Kingdom
Entomophthora muscae 707
Delia radicum
Canada, Québec
Beauveria bassiana 1151
Fusarium oxysporum 1371
Fusarium solani 1148

- Denmark
Beauveria bassiana 4012
Conidiobolus sp. 2672
Entomophthora muscae 2665 2668
2670 2674 2675 6706 6707 6708
6709 6710 6711 6717 6811 6814
6815 6818 6821
Strongwellsea castrans 3282 3485
Zoophthora radicans 2666
- Norway
Entomophthora muscae 6274
- United Kingdom
Beauveria bassiana 6553 6555 6563
6564 6568
Verticillium lecanii 5132 6554
- Pegoplata aestiva*
Denmark
Beauveria bassiana 8031
- Diptera: Bibionidae**
France
Fusarium sp. 2252
USA, New York
Lecanicillium sp. 11798
USA, Vermont
Isaria farinosa 11828
Plecia sp.
USA, Mississippi
Evlachovaea sp. 7372
Plecia nearctica
USA, Florida
Tolypocladium cylindrosporium
2912
- Diptera: Bombyliidae**
Costa Rica
Aspergillus flavus 3430
- Diptera: Brachycera**
France
Zoophthora lanceolata 468
Poland
Basidiobolus haptosporus 1347
Erynia sp. 1338
Pandora dipterigena 1422
- Diptera: Calliphoridae**
Calliphora sp.
France
Beauveria bassiana 1630
Isaria fumosorosea 1646
Lucilia illustris
France
Scopulariopsis sp. 2328
Pollenia sp.
Denmark
Entomophthora schizophorae 6703
6816 6817
Pollenia rudis
USA, New York
Entomophthora muscae 651
- Diptera: Cecidomyiidae**
Resseliella odai
Japan
Isaria andoi 1684
Isaria flavovirescens 1686
- Diptera: Ceratopogonidae**
Dasyhelea sp.
Australia
Culicinomyces clavisporus 2478
France
Smittium culisetae 9097
Forcipomyia marksae
Australia
Crypticola clavulifera 1940
Culicinomyces clavisporus 2480
2481
Lagenidium giganteum 2529 2530
2531 2532
- Diptera: Chironomidae**
Australia
Smittium elongatum 9251
Canada, Ontario
Smittium mucronatum 9067 9090
9144
Costa Rica
Smittium culicisoides 9044
Smittium sp. 9034
Denmark
Entomophthora culicis 5811
France
Smittium culicis 9127 9129
Japan
Smittium simulii 9019 9136
Switzerland
Smittium culisetae 9132
United Kingdom
Erynia conica 2405
Erynia sp. 2507
USA, Arkansas
Smittium sp. 9087
USA, Kansas
Smittium commune 9085
USA, Missouri
Smittium sp. 9145
USA, New York
Entomophaga conglomerata 2273
Erynia conica 2274
Smittium culicis 9011
USA, Oklahoma
Smittium acutum 9092
Smittium caudatum 9000 9261
USA, South Carolina
Saprolegnia sp. 6427
USA, Tennessee
Smittium orthocladii 9080
Chironomus sp.
Australia
Smittium culicis 9003 9142
Costa Rica
Smittium dipterorum 9250
Smittium phytotelmatum 9076
France
Smittium culicis 9045 9046
Japan
Amoebidium parasiticum 9183
USA, Tennessee
Amoebidium appalachense 9181
9255 9256
Smittium lentaquaticum 9068 9253
- Chironomus alternans*
Australia
Smittium culisetae 9025
Corynoneura sp.
New Zealand
Harpellales, genus undetermined
9089
Smittium culicis 9007 9093
Cricotopus sp.
Chile
Smittium cylindrosporium 9116
9248 9249
USA, Colorado
Smittium coloradense 9001
USA, Oklahoma
Smittium stenoporum 9023
Diamesa sp.
Sweden
Smittium simulii 9139
USA, Colorado
Smittium perforatum(?) 9055
Dicrotendipes fumidus
USA, Kansas
Smittium gravimetalum 9029 9036
9264
Microtendipes sp.
USA, Kansas
Smittium commune 9243 9244 9245
Orthocladus sp.
Sweden
Smittium sp. 9146
USA, Colorado
Smittium coloradense 9002
USA, Kansas
Smittium megazygosporum(?) 9027
USA, Missouri
Smittium sp. 9121
USA, Wyoming
Smittium culisetae 9114
Paraheptagya sp.
Argentina
Smittium tronadorium 9030
Polypedilum sp.
Costa Rica
Smittium sp. 9120
Procladius paludicola
Australia
Furculomyces boomerangus 9077
Psectrocladius sp.
USA, Colorado
Smittium fecundum 9022 9083
Psectrocladius limbatellus
Norway
Smittium sp. 9050
Psectrocladius paludicola
Australia
Furculomyces boomerangus 9259
Psectrocladius sordidellus
France
Smittium mucronatum 9028
Pseudokiefferiella sp.
Switzerland
Smittium sp. 9147
Tanytarsus sp.
Australia
Smittium angustum 9241

Fungus by Host and Location

Diptera: Chironomidae

Diptera: Drosophilidae

Smittium culicis 9125
Costa Rica
Smittium sp. 9035
Tanytarsus nr. *inextentus*
Australia
Furculomyces boomerangus 9021

Diptera: Culicidae

Argentina
Smittium culisetæ 9075
Smittium culicis 9031
Australia
Culicinomyces clavisporus 2622
Smittium culicis 9057 9123 9140 9141
Smittium sp. 9079
Canada, Ontario
Smittium culicis 9073
Colombia
Lagenidium giganteum 3326
Czech Republic
Tolypocladium cylindrosporum 961
Japan
Smittium culisetæ 9015 9109 9110 9111
New Zealand
Tolypocladium cylindrosporum 976 1027 1028 2911
Tanzania
Simplicillium lanosoniveum 8822
USA, Hawaii
Smittium culisetæ 9026 9098
USA, Louisiana
Smittium culisetæ 9024
USA, New York
Erynia aquatica 764
USA, North Carolina
Culicinomyces clavisporus 706
Lagenidium giganteum 748
USA, Tennessee
Smittium culisetæ 9058 9071 9113
Smittium culicis 9010
Smittium lentaquaticum 9082
Smittium sp. 9038 9081 9148
USA, Wyoming
Smittium culisetæ 9247
Aedes sp.
USA, New York
Erynia aquatica 750
Aedes aegypti
USA, New York
Leptolegnia chapmanii 6718
Aedes albifasciatus
Argentina
Isaria farinosa 2971
Leptolegnia chapmanii 5499 7787
Smittium culicis 5432 9004
Aedes albopictus
USA, Florida
Smittium culisetæ 9013
USA, Hawaii
Smittium culisetæ 9014 9047 9099 9100 9101 9104 9105 9106
Aedes australis
New Zealand
Tolypocladium cylindrosporum 841

Aedes crinifer
Argentina
Metarhizium brunneum 2974
Smittium culisetæ 9094
Costa Rica
Smittium culisetæ 5200
Aedes kochi
Australia
Culicinomyces bisporalis 1948 1949
Aedes melanimon
USA, California
Lagenidium giganteum 3327
Aedes rupestris
Australia
Culicinomyces clavisporus 2471 2472 2473 2474 2475 2476 2477
Aedes sierrensis
USA, California
Isaria farinosa 1939
Tolypocladium cylindrosporum 705 1580
Aedes sticticus
USA, Wyoming
Smittium culicis 9009 9130
Aedes vecans
USA, Hawaii
Smittium culisetæ 9102 9103
USA, Kansas
Smittium culisetæ 9016 9017
USA, Nebraska
Smittium culisetæ 9246
Anopheles sp.
USA, Florida
Unidentified sp. 2563
Anopheles amictus hilli
Australia
Culicinomyces clavisporus 644 645
Anopheles gambiae
Mali
Unidentified sp. 3380 3381
Anopheles quadrimaculatus
USA, North Carolina
Culicinomyces clavisporus 372 582 583 584 585
Culex sp.
France
Smittium culicis 9128 9149
Japan
Smittium culisetæ 9048 9107 9108
USA, Florida
Leptolegnia chapmanii 2682
Culex dolosus
Argentina
Smittium culisetæ 5430 9131
Culex pervigilans
New Zealand
Smittium culicis 9074
Culex pipiens pipiens
Czech Republic
Conidiobolus thromboides 70
USA, Pennsylvania
Fusarium sp. 11949 11950
Culex pipiens quinquefasciatus
USA, South Carolina
Leptolegnia chapmanii 2681

Culex renatoi
Argentina
Smittium culicis 5431
Culex restuans
USA, South Carolina
Smittium culisetæ 9056
Culex tarsalis
USA, California
Lagenidium giganteum 1384
Culex territans
USA, Louisiana
Lagenidium giganteum 749
Culiseta sp.
USA, Wyoming
Smittium culisetæ 9062 9115 9133
Culiseta impatiens
USA, Colorado
Smittium culisetæ 9012
Culiseta incidens
USA, California
Smittium culisetæ 9095
Culiseta inconspicua
Australia
Culicinomyces clavisporus 2479
Culiseta inornata
Canada, Alberta
Culicinomyces clavisporus 964
Laboratory manipulation
Culicinomyces clavisporus 1260 2482
Culiseta melanura
USA, North Carolina
Lagenidium giganteum 373
Mansonia titillans
USA, Florida
Leptolegnia chapmanii 2562 2680
Ochlerotatus japonicus
USA, Tennessee
Smittium culisetæ 9039 9069
Ochlerotatus triseriatus
USA, Kentucky
Lecanicillium muscarium 810
USA, NY
Metarhizium anisopliae sensu lato 3827
Metarhizium brunneum 3826
USA, South Carolina
Smittium morbosum 9060 9061
Ochlerotatus trivittatus
USA, Pennsylvania
Fusarium sp. 11948
Wyeomyia smithii
USA, North Carolina
Candida cf. *pseudoglebosa* 7146

Diptera: Drosophilidae

USA, Arizona
Paecilomyces sp. 3768
Drosophila sp.
Canada, British Columbia
Aspergillus niger(?) 7975
Penicillium sp. 7976
Drosophila suzukii
USA, Tennessee
Batkoa sp. 12251

Diptera: Empididae

Diptera: Simuliidae

Fungus by Host and Location

Diptera: Empididae

Poland

Furia ithacensis 1339 1340

Diptera: Ephydriidae

United Kingdom

Beauveria bassiana 6567

?*Hydrellia* sp.

Indonesia, Jawa Barat, Java

Erynia sp. 2097

Metarhizium anisopliae sensu lato
2105

Scatella stagnalis

United Kingdom

Verticillium lecanii 6561

Scatella tenuicosta

USA, New York

Beauveria bassiana 8245 8246 8247

Metarhizium anisopliae sensu lato
8248 8249

Diptera: Helioomyzidae

USA, Maine

Conidiobolus thromboides 5

Diptera: Itonididae

Poland

Hirsutella nr. *haptospora* 2228

Diptera: Muscidae

Brazil, Alagoas

Beauveria bassiana 1955

Denmark

Entomophthora muscae 5954

Ukraine

Simplicillium lamellicola 9480

USA, New York

Pochonia bulbilosa 11800

USA, Vermont

Beauveria bassiana 10142 11845

Isaria farinosa 11832

Coenosia tigrina

Denmark

Entomophthora ferdinandii 6918

Haematobia irritans

Denmark

Beauveria bassiana 5862 5864 5865
5866

Beauveria pseudobassiana 5867

Lecanicillium lecanii(?) 5584 5585

Musca autumnalis

France

Beauveria bassiana 1514

Isaria fumosorosea 1626

Musca domestica

Argentina

Beauveria bassiana 7049

Denmark

Beauveria bassiana 5861 5863

Entomophthora muscae 2542 5952

5953 6121 6122 6123 6124 6125

6126 6127 6128 6129 6130 6131

6132 6133 6134 6135 6136 6140

6141 6164 6165 6713 6714 6715

6716 6812 6813

Entomophthora schizophorae 6137

6138 6139 6142 6143

Isaria fumosorosea 5860

Lecanicillium fusisporum(?) 5578
5579

Verticillium lecanii 5859

France

Fusarium sp. 1522

Isaria fumosorosea 1644 1645 1867
1868

USA, California

Entomophthora muscae 2172

USA, Florida

Beauveria bassiana 7940

USA, Nebraska

Entomophthora schizophorae 5348

USA, New York

Beauveria bassiana 2953 5339 5340

5341 5342 5343 5344 5345 5346

5347

Entomophthora muscae 454 556 557

803 2014

Diptera: Mycetophilidae

Location not specified

Erynia sciarae 1870

Arachnocampa luminosa

New Zealand

Tolypocladium extinguiens 2921

Diptera: Nematocera

Poland

Zoophthora radicans 1336 1428

Switzerland

Entomophthora culicis 387

Pandora dipterigena 397

Zoophthora lanceolata 426 469

Diptera: Psilidae

Psila rosae

Denmark

Conidiobolus pseudapiculatus 2493

2496 2497 2502

Entomophthora schizophorae 2540

2541 2667

Diptera: Psychodidae

Switzerland

Erynia ovispora 399 400

Lutzomyia sp.

Costa Rica

Unidentified sp. 3123 3124 3420

3421 3423 3424 3425 3427 3428

Guatemala

Conidiobolus coronatus 3379

Fusarium sp. 3382 3378

Lutzomyia longipalpis

Costa Rica

Unidentified sp. 3422

Lutzomyia saulensis

Costa Rica

Lecanicillium muscarium 3418

Unidentified sp. 3413 3417 3419

Lutzomyia sordelli

Costa Rica

Conidiobolus coronatus 3414 3415

Lecanicillium psalliotae 3416

Lutzomyia trapidoi

Costa Rica

Unidentified sp. 3426

Phlebotomus papatasi

United Kingdom

Beauveria bassiana 2972

Diptera: Ptychopteridae

Ptychoptera contaminata

Denmark

Conidiobolus sp. 2498

Eryniopsis ptychopterae 2535 2671

Diptera: Sarcophagidae

Neobullieria citellivora

Canada, Alberta

Aspergillus flavus 3144

Diptera: Scatophagidae

Scatophaga stercoraria

Denmark

Entomophthora scatophagae 6704

6705

Diptera: Sciaridae

Switzerland

Batkoa apiculata 919 927 1660 1661

United Kingdom

Beauveria bassiana 6566

Bradysia paupera

Denmark

Batkoa apiculata 3225 3226

Lycoriella ingenua

Mexico

Conidiobolus coronatus 9940 9941

9942

Diptera: Sciomyzidae

Sepedon spegeus

Philippines

Hirsutella sp. 1551

Diptera: Simuliidae

Canada, Newfoundland

Batkoa papillata(?) 7068

Canada, Québec

Erynia curvispora 3229

Unidentified sp. 3227 3228 3230

3231 3232 3233 3235 3236 3245

3246 3247

Costa Rica

Smittium annulatum 9242

Japan

Smittium simulii 9049

Switzerland

Erynia conica 1752 1753

Erynia curvispora 1754

USA, Maine

Saprolegnia sp. 179 180

USA, New York

Erynia conica 2275

Lecanicillium evansii(?) 11796

USA, Vermont

Isaria farinosa 11826

Prosimulium sp.

Canada

Smittium culicis 9126

Simulium sp.

Chile

Smittium imitatum 9033

- Costa Rica
Smittium dipterorum 9263
- Japan
Smittium simulii 9137 9138
- United Kingdom
Erynia conica 1439
- USA, Minnesota
Smittium simulii 9043 9118 9134
- Simulium uchidai*
- Japan
Smittium simulii 9135
- Simulium vandalicum*
- USA, Tennessee
Barbatospora ambicaudata 9020
- Simulium venustum*
- USA, Maine
Coelomycidium simulii 218
- Simulium vittatum*
- USA, Kansas
Smittium culisetae 9018 9112
Smittium culicis 9008
- USA, Minnesota
Smittium culisetae 9096
- USA, South Carolina
Smittium culisetae 6810 9032
Smittium megazygosporum 6275 9037
- Diptera: Stratiomyidae**
- Australia
Metarhizium anisopliae sensu stricto 7418 7419 7423 7426 7427 7428
Metarhizium guizhouense 7420
Metarhizium pingshaense 7414 7421 7422 7425 7429
- Boreoides tasmaniensis*
- Australia
Metarhizium anisopliae sensu lato 4600 4620
- Chiomyza* sp.
Brazil, Minas Gerais
Evlachovaea sp. 6146
- Inopus rubriceps*
- Australia
Metarhizium anisopliae sensu lato 7840 7841 7855 7856 7857 7858 7859 7860 7861 7914 7915 7916 7917 7918 7919 7920 7926 8497
- Diptera: Syrphidae**
- Denmark
Entomophthora muscae 2673
- USA, New York
Entomophthora muscae 826
- Eumerus strigatus*
- United Kingdom
Metarhizium anisopliae var. *anisopliae* 6550
- Melanostoma scalare*
- Denmark
Entomophthora syrphi 6819 6820
- Platycheirus clypeatus*
- Denmark
Entomophthora syrphi 6702
- Triglyphus primus*
- Denmark
Entomophthora syrphi 5955
- Diptera: Tachinidae**
- Canada, New Brunswick
Tolypocladium inflatum 3281
- France
Beauveria bassiana 1150
- Poland
Isaria farinosa 1348 1349
- Diptera: Thaumaleidae**
- Australia
Smittium culicis 9124
- New Zealand
Smittium culicis 9084
- Austrothaumalea* sp.
- Australia
Smittium culicis 9005 9041
- Diptera: Tipulidae**
- Canada, Ontario
Smittium culicis 9091
- France
Lecanicillium muscarium 2329
- Ukraine
Isaria sp. 9508
- USA, New York
Erynia sepulchralis 12250
Unidentified Entomophthorales sp. 7227 7228 7229 7230
- USA, Oregon
Smittium sp. 9086
- USA, Vermont
Isaria coleopterorum 10163
Isaria farinosa 11824
- Aphrophila bidentata*
- Chile
Smittium simulatum 9042 9078 9117
- Dactylobasis montana*
- Canada, Ontario
Smittium culicis 9143
- Elliptera astigmatica*
- USA, Colorado
Smittium tipulidarum 9052 9053 9054 9122
- Limonia* sp.
- Australia
Smittium culicis 9006 9040
- Tipula* sp.
- USA, Vermont
Myrothecium verrucaria 9359
Unidentified sp. 9334
- Tipula paludosa*
- Switzerland
Batkoa gigantea 214 215 403
Eryniopsis caroliniana 640 641 642
- United Kingdom
Beauveria bassiana 6565
Conidiobolus sp. 6424
- Diptera: Ulidiidae**
- Tetanops myopaeformis*
- USA, North Dakota
Fusarium sp. 7382
Syngliocladium sp. 5217
Syngliocladium tetanopsis 4972 5497 5577
- Diptera: Xylophagidae**
- Russian Federation
Isaria farinosa 9512
Lecanicillium sp. 7634 7849
- USA, New York
Ophiocordyceps variabilis 4080
- Xylophagus* sp.
- USA, New York
Ophiocordyceps variabilis 5365 5366 5367 5414 5415 5416 5417 5418 5419 5420 5421 5422 5423 5424 5425 5426 5427 5428 5429
- Hemiptera**
- Iran
Verticillium lecanii 6290
Location not specified
Metarhizium anisopliae sensu lato 4901 4902
- Mexico
Aschersonia sp. 3015 11754
Purpureocillium lilacinum 9604
- Russian Federation
Beauveria bassiana 7583
Unidentified / Hyphomycetes 7806
- Trinidad
Hrsutella sp. 4511
- USA, Puerto Rico
7369
Aschersonia andropogonis 7391
Aschersonia rhombispora 7390
Unidentified / Hyphomycetes 7392
- Poland
Unidentified sp. 1423
- USA, Florida
Beauveria bassiana 5978
- Colombia
Aschersonia turbinata 1030
- Hemiptera: ?Aphididae**
- Poland
Conidiobolus obscurus 243
- Hemiptera: Adelgidae**
- Adelges tsugae*
- Beauveria bassiana*(?) 5815
- PR China
Beauveria bassiana 6027
Isaria farinosa 6028 6029 6030 6031 6032 6033 6034 6036 6037 6038 6048 6049
Lecanicillium muscarium 6035
Verticillium lecanii 6045 6046 6047 6050
- USA, Connecticut
Beauveria bassiana 5767
Beauveria bassiana(?) 5816 5817 5818
Isaria farinosa 5826 5827

<i>Lecanicillium lecanii</i> 5759	Russian Federation	Location not specified
<i>Lecanicillium muscarium</i> (?) 11816	<i>Lecanicillium muscarium</i> (?) 9464	<i>Beauveria bassiana</i> 5274 5275 5276
<i>Myriangiium</i> sp. 11858	<i>Simplicillium lamellicola</i> 9481	5277 5281 5282 5285
<i>Muriodontium keratinophilum</i> 11838	Unidentified / Hyphomycetes 9539	<i>Isaria fumosorosea</i> 3408 5299 5300
Sterile mycelium 5819	<i>Lecanicillium fungicola</i> 9482	5301 5302 5303 5304 5305 5329
USA, Maine	Spain	Mexico
<i>Phoma</i> sp. 9920 9921	<i>Lecanicillium muscarium</i> 3709	<i>Fusarium</i> sp. 3672 3676 3677 3679
USA, Massachusetts	Sterile mycelium 3710	Nepal
<i>Acremonium</i> sp. 5773	<i>Trichothecium roseum</i> 3708	<i>Isaria fumosorosea</i> 4482 4483 4484
<i>Beauveria bassiana</i> 5170 5171 5770 5796	Uganda	4485 4486 5297
<i>Fusarium</i> sp. 5803 5825 5823	<i>Aschersonia</i> sp. 5216	<i>Paecilomyces</i> sp. 3870 3871 3872 3844
<i>Isaria farinosa</i> 5178 5774 5775 5776 5784 5788 5790 5792 5797 5799 5800 5801 5802 5830	USA, Florida	Pakistan
<i>Isaria</i> sp. 11630 9369	<i>Aschersonia aleyrodidis</i> 430 432	<i>Isaria farinosa</i> 5081 5082 5083 5084
<i>Lecanicillium lecanii</i> 5785 5787 5794 5829	USA, Puerto Rico	<i>Isaria fumosorosea</i> 3848 3851 3878
<i>Lecanicillium muscarium</i> 5165 5778 5779 5780 5782 5791 5798 5828	Malaysia	4498 4499 4501 4502 4503 5085
<i>Lecanicillium muscarium</i> (?) 5777	<i>Aschersonia aleyrodidis</i> 4209	5086 5087 5088 5089 5090 5107
<i>Lecanicillium</i> sp. 9175 9176 11648	<i>Aschersonia</i> sp. 4207 4210 4448 4449	5113 5115 5116 5117 5118 5119
<i>Metarhizium anisopliae</i> sensu lato 9590	Thailand	5121 5122 5272 5298 5475 5476
<i>Paecilomyces</i> sp. 5179 5180 5164	<i>Aschersonia</i> sp. 4208 4433 4434 4435 4436 4437 4438 4439 4440	<i>Paecilomyces</i> sp. 3874 3875 3877
<i>Trichoderma lignorum</i> 5176	4441 4442 4443 4444 4445	5091 5092 5093 5094 5095 5096
<i>Verticillium lecanii</i> 5781 5783 5786 5789 5793 5820	<i>Aglaia odoratissima</i>	5097 5098 5099 5100 5101 5102
USA, New Hampshire	Indonesia, Jawa Barat, Java	5103 5104 5105 5106 5108 5109
<i>Acremonium</i> (?) sp. 9368 11650 9367	<i>Aschersonia aleyrodidis</i> 2154	5110 5111 5112 5114 3842 3845 3847 3849 3850 3876
<i>Eurotiomycetes</i> , genus undeter- mined 9360 9361	<i>Aleurocanthus woglumi</i>	Philippines
<i>Exophiala</i> sp. 9362	USA, Florida	<i>Beauveria bassiana</i> 4981 4982 4983
<i>Lecanicillium muscarium</i> 11818	<i>Isaria farinosa</i> 2954	4984 5287 5288 5289 5290 5291
<i>Lecanicillium</i> sp. 9924 9925 9926 9915 9916 9917 9918 9919 9923 9365 9922 9363	<i>Bemisia</i> sp.	5292 5293 5294 5295 5296
Unidentified / Hyphomycetes 9364 9366	Hong Kong	Taiwan
USA, New Jersey	<i>Isaria fumosorosea</i> 6797 6798	<i>Paecilomyces</i> sp. 4985 4986 4987 4988 4989
<i>Lecanicillium muscarium</i> 5795	Mexico	United Kingdom
USA, New York	<i>Isaria fumosorosea</i> 3313 3800	<i>Isaria fumosorosea</i> 6562
<i>Myriangiium</i> sp. 11857	<i>Isaria javanica</i> 3303	USA, Arizona
USA, Vermont	Unidentified sp. 3798 3799 3801 3802 3805 3806 3807	<i>Beauveria bassiana</i> 5283 5284
<i>Lecanicillium lecanii</i> 11817	<i>Bemisia argentifolii</i>	<i>Isaria fumosorosea</i> 5327 5328
<i>Lecanicillium</i> sp. 12089 11856	Brazil, Paraná	USA, California
Unidentified / Hyphomycetes 12086 12087 12088 12090	<i>Isaria fumosorosea</i> 5154 5155 5156 5157 5158 5159	<i>Fusarium</i> sp. 3668 3669 3670 3671 3673 3674 3675 3678
USA, Virginia	<i>Paecilomyces</i> sp. 5160	<i>Isaria farinosa</i> 3658 3659 3661
<i>Beauveria bassiana</i> 5768 5769	USA, Texas	<i>Isaria fumosorosea</i> 3660 3662 3663
<i>Isaria farinosa</i> 5760 5761	<i>Isaria fumosorosea</i> 5462 5463 5464	USA, Florida
<i>Lecanicillium muscarium</i> 5772 5822	<i>Isaria poprawskii</i> 7028	<i>Aphanocladium album</i> 3680
<i>Verticillium lecanii</i> 5771 5821 5824	<i>Bemisia tabaci</i>	<i>Isaria fumosorosea</i> 3076 3083 3322
<i>Dreyfusia normannianaie</i>	Brazil, São Paulo	USA, Hawaii
Denmark	<i>Isaria fumosorosea</i> 6434 6435	<i>Isaria fumosorosea</i> 3889
<i>Verticillium lecanii</i> 5854	<i>Lecanicillium psalliotae</i> 6436	USA, Texas
Hemiptera: Aleyrodidae	Denmark	<i>Fusarium</i> sp. 5332
Brazil, Bahia	4068 4058 4059	<i>Isaria farinosa</i> 3572 3574 3575 3576
<i>Fusarium</i> sp. 4002 4003	<i>Lecanicillium psalliotae</i> 5582	3578 3579 3580 3582 3583 3584
Mexico	<i>Mixed Culture</i> sp. 4066	3585 3586 3587 3588 3589 3591
<i>Aschersonia</i> sp. 3014	<i>Verticillium lecanii</i> 4064 4065 4067 4069 4070 4071 4072	3592 3593 5306
Nepal	Egypt	<i>Isaria fumosorosea</i> 3581 3590 3594
<i>Cladosporium</i> sp. 3706 3711	<i>Simplicillium</i> sp. 6584	5260 5261 5262 5263 5264 5265
	French Polynesia	5266 5267 5268 5269 5270 5271
	<i>Scopulariopsis</i> sp. 8825 8826 8827	5307 5308 5309 5310 5311 5312
	India	5313 5314 5315 5316 5317 5318
	<i>Aspergillus</i> sp. 3698	5319 5320 5322 5323 5324 5325
	<i>Isaria fumosorosea</i> 3699 3700 3843 4490 4491 4492 4493 4494 4495 4496 4497	5326 5330 5331
	<i>Paecilomyces</i> sp. 3873 3868 3773 3779 3869	<i>Isaria javanica</i> 3573 3577 3776 3778 5259 5321
		<i>Paecilomyces</i> sp. 3772 3774 3775 3777 3780 3781 3782 3783 3784 3785 3786 3787 3788

Fungus by Host and Location

Hemiptera: Aleyrodidae

Hemiptera: Aphididae

USA, Vermont	<i>Beauveria bassiana</i> 5278 5279 5280	Hemiptera: Anthocoridae	USA, Vermont
<i>Dialeurodes ?citri</i>		<i>Anthocoris nemorum</i>	<i>Lecanicillium evansii</i> (?) 11797
USA, Florida		Denmark	Unidentified / Hyphomycetes 6503
<i>Aschersonia aleyrodidis</i> 341 342		<i>Beauveria bassiana</i> 8028	6157 6158 6159 6507 6508 6509
<i>Aschersonia goldiana</i> 343		Hemiptera: Aphididae	6510 6511
<i>Dialeurodes citri</i>		Argentina	<i>Verticillium lecanii</i> 5166
Brazil, Paraná		<i>Lecanicillium longisporum</i> 7457	USSR
<i>Aschersonia</i> sp. 4424 4426 4430		7458 7459 7783 7784	Unidentified sp. 3894
4431 4432		<i>Zoophthora radicans</i> 7455 7788	Venezuela
Indonesia, Yogyakarta, Java		7789	<i>Lecanicillium longisporum</i> 974
<i>Aschersonia</i> sp. 2351 2397 2398		<i>Zoophthora</i> sp. 7454	Yugoslavia
Japan		Australia	<i>Conidiobolus</i> sp. 1426
<i>Aschersonia aleyrodidis</i> 992		<i>Pandora neoaphidis</i> 381	<i>Pandora neoaphidis</i> 1695
<i>Aschersonia placenta</i> 7603		Canada, Ontario	Unidentified sp. 1693 1694
Mexico		<i>Verticillium lecanii</i> 5809	Yugoslavia, Belgrade
Unidentified sp. 3304		Colombia	<i>Batkoa major</i> 1427
Philippines		<i>Isaria fumosorosea</i> 6789	<i>Erynia</i> sp. 2279
<i>Aschersonia</i> sp. 2357 2358		Commonwealth of Independent States	<i>Pandora neoaphidis</i> 1696 2016 2298
<i>Aschersonia insperata</i> 2356 2396		<i>Conidiobolus thromboides</i> 58 59 248	<i>Acyrtosiphon kondoi</i>
Republic of Georgia		249 250	Australia
<i>Aschersonia aleyrodidis</i> 9535		Denmark	<i>Batkoa apiculata</i> 839
<i>Singhiella simplex</i>		<i>Lecanicillium lecanii</i> (?) 5581	<i>Conidiobolus obscurus</i> 354 824
USA, Florida		<i>Verticillium lecanii</i> 4073	<i>Entomophthora chromaphidis</i> 1860
<i>Purpureocillium lilacinum</i> 9610		France	1862 1863
<i>Trialeurodes vaporariorum</i>		<i>Beauveria bassiana</i> 3120	<i>Pandora kondoiensis</i> 369 825 828
<i>Isaria fumosorosea</i> 8716		<i>Beauveria pseudobassiana</i> 3121	836 837
Argentina		<i>Conidiobolus obscurus</i> 434	<i>Pandora nouryi</i> 362
<i>Isaria fumosorosea</i> 6916 7051 7204		Unidentified sp. 3122 3125	<i>Acyrtosiphon pisum</i>
7205 8717 8718 8719 8720 8721		India	Argentina
8723 8724 8725 8726 8727 8728		<i>Lecanicillium muscarium</i> 2659	<i>Zoophthora radicans</i> 11859
8729 8730 8928		Israel	Australia
<i>Isaria javanica</i> 7477		<i>Pandora neoaphidis</i> 78	<i>Conidiobolus obscurus</i> 834
<i>Lecanicillium lecanii</i> 7207		Unidentified sp. 4214 4215	<i>Pandora neoaphidis</i> 827 830 838
<i>Lecanicillium longisporum</i> 7206		Japan	Commonwealth of Independent States
7461		<i>Conidiobolus</i> sp. 999	<i>Conidiobolus thromboides</i> 100
<i>Lecanicillium muscarium</i> 7460		<i>Conidiobolus thromboides</i> 1006	Denmark
Canada, Alberta		Malaysia	<i>Batkoa apiculata</i> 2504
<i>Beauveria bassiana</i> 6920 6921 6922		<i>Isaria fumosorosea</i> 4400	France
6923 6924		Unidentified sp. 4204	<i>Pandora neoaphidis</i> 1598 1605 1609
Denmark		<i>Verticillium lecanii</i> 4416 4417 4418	Laboratory manipulation
<i>Lecanicillium lecanii</i> (?) 4060		4419 4420 4421 4422 4423 4453	<i>Conidiobolus obscurus</i> 832 1741
<i>Verticillium lecanii</i> 4061		4454 4455 4456 4457	<i>Pandora neoaphidis</i> 4934
India		<i>Verticillium</i> sp. 4194 4195 4203	Russian Federation
<i>Purpureocillium lilacinum</i> 3846		4398 4399	<i>Conidiobolus thromboides</i> 6662
Kazakhstan		Mexico	Spain
<i>Beauveria bassiana</i> 9451		<i>Lecanicillium lecanii</i> 6887	<i>Pandora neoaphidis</i> 1603
Malaysia		<i>Lecanicillium longisporum</i> 8042	Switzerland
<i>Isaria farinosa</i> 4412		Pakistan	<i>Pandora neoaphidis</i> 7937
<i>Isaria fumosorosea</i> 4205 4401 4404		<i>Fusarium</i> sp. 3704 3707 3703 3705	Syria
4406 4407 4408 4409 4410 4411		3712	Unidentified / Zygomycetes 6119
4413 4414 4415		Russian Federation	6160
<i>Mixed Culture</i> sp. 4403 4402		<i>Lecanicillium psalliotae</i> 9474	United Kingdom
Netherlands		USA, California	<i>Conidiobolus coronatus</i> 1738
<i>Aschersonia aleyrodidis</i> 2268		<i>Pandora neoaphidis</i> 6902	USA, Idaho
Poland		USA, Florida	<i>Pandora neoaphidis</i> 3240 6631
<i>Lecanicillium muscarium</i> 972		<i>Isaria fumosorosea</i> 3682	USA, Minnesota
Sweden		USA, Hawaii	<i>Pandora neoaphidis</i> 11663
923		<i>Cladosporium cladosporioides</i> (?)	USA, New York
United Kingdom		7033	<i>Batkoa apiculata</i> 3130 3136 3140
<i>Lecanicillium muscarium</i> 5128		<i>Lecanicillium muscarium</i> 7034	<i>Batkoa</i> sp. 3131
<i>Verticillium lecanii</i> 6544 6547		USA, Maine	<i>Conidiobolus obscurus</i> 3132 3133
USA, Florida		<i>Pandora nouryi</i> 199	3134 3135 3137 3138 3139 3141
<i>Isaria fumosorosea</i> 2658		USA, New York	<i>Pandora neoaphidis</i> 2583 2584 2585
		<i>Beauveria bassiana</i> 4523 4524	2587 2588 2589 2591 2592 2593
		<i>Lecanicillium longisporum</i> 7923	2594 2754 2755 2756 2757 2758
			2760 2761 2762 2763 2766 2767

2768 2769 2773 2781 2782 2783	Turkey	Laboratory manipulation
2784 2837 2838 2839 2840 2842	<i>Fusarium</i> sp. 5726 5727 5728	<i>Beauveria bassiana</i> 3215 3890 3891
2844 2845 2846 2847 2848 2851	United Kingdom	3892 3905 3906 3907 3908 4099
2852 2853 2854 2855 2856 2865	<i>Verticillium lecanii</i> 6541	4100 4101 4106 4107 4108 4109
2866 2867 2868 2870 2872 2873	USA, Pennsylvania	4110 4111 4112 4113 4114 4115
<i>Zoophthora occidentalis</i> 2841 3027	<i>Beauveria bassiana</i> 5493 5494	4116 4117 4118 4119 4120 4121
3028 3029 3071 3073	<i>Aphis rumicis</i>	<i>Isaria fumosorosea</i> 3824 4459 4460
USA, Washington	Switzerland	4461
<i>Pandora neoaphidis</i> 3234 3237	<i>Lecanicillium lecanii</i> 7530	<i>Lecanicillium lecanii</i> (?) 3882 3883
Yugoslavia, Vojvodina	<i>Brachycaudus amygdalinus</i>	3884
<i>Pandora neoaphidis</i> 2017 2018	Israel	<i>Lecanicillium muscarium</i> 3861
<i>Anoecia corni</i>	<i>Zoophthora radicans</i> 75	<i>Metarhizium anisopliae</i> sensu lato
Switzerland	<i>Brachycaudus helichrysi</i>	3822
<i>Zoophthora aphidis</i> 425	United Kingdom	<i>Verticillium lecanii</i> 3862 3881 3902
<i>Aphidula</i> sp.	<i>Verticillium lecanii</i> 6540	3903 3904 3909
France	<i>Brevicoryne brassicae</i>	<i>Zoophthora radicans</i> 3163
<i>Pandora neoaphidis</i> 1610 1615	Argentina	Lesotho
<i>Aphis</i> sp.	<i>Zoophthora radicans</i> 11861	<i>Isaria farinosa</i> 6609
Canada, Québec	Brazil, Paraná	South Africa
<i>Conidiobolus obscurus</i> 124	Sterile mycelium 4376	<i>Beauveria bassiana</i> 5705 6978 6979
<i>Pandora neoaphidis</i> 128	Denmark	6980
USA, Washington	<i>Pandora neoaphidis</i> 5371 5372 5373	<i>Conidiobolus thromboides</i> 4968
<i>Pandora neoaphidis</i> 3410	5374	<i>Fusarium</i> sp. 4969
<i>Aphis armata</i>	France	<i>Isaria farinosa</i> 6222 6983
France	<i>Pandora neoaphidis</i> 1613 1616 1617	<i>Lecanicillium lecanii</i> 5706
<i>Conidiobolus obscurus</i> 133 355	Japan	<i>Purpureocillium lilacinum</i> 6985
<i>Aphis fabae</i>	<i>Batkoa apiculata</i> 1146	Turkey
Argentina	United Kingdom	<i>Beauveria bassiana</i> 3154 3155 3156
<i>Lecanicillium muscarium</i> 7785	<i>Verticillium lecanii</i> 5131	3157 3158 3166 3167 3168 3169
<i>Zoophthora radicans</i> 7208	USA, New York	<i>Beauveria pseudobassiana</i> 3153
Denmark	<i>Cladosporium</i> sp. 4795	USA, Colorado
<i>Pandora neoaphidis</i> 5995	Yugoslavia	<i>Pandora neoaphidis</i> 3081 3082
France	<i>Lecanicillium lecanii</i> 1787	USA, Idaho
<i>Pandora neoaphidis</i> 1606 1611 1981	<i>Pandora neoaphidis</i> 1784 1785 1786	<i>Beauveria bassiana</i> 2861 2864 2879
1985	1824 1825 1826 1827 2124 2128	2882
India	Yugoslavia, Belgrade	<i>Lecanicillium muscarium</i> 2862 2877
<i>Fusarium</i> sp. 8277 8278 8287	<i>Conidiobolus</i> sp. 2130 2294	2878
Poland	<i>Pandora neoaphidis</i> 2108 2109 2110	Unidentified / Zygomycetes 4970
<i>Conidiobolus thromboides</i> 242 244	2112 2114 2115 2116 2117 2118	4971
245 246 247 630 631 632 633 634	2119 2120 2121 2122 2280 2293	USA, New York
635	<i>Zoophthora phalloides</i> 2281	<i>Beauveria bassiana</i> 4462 4463 4464
<i>Pandora neoaphidis</i> 608 609 610	Yugoslavia, Bosnia and Hercegovina	4691 4692 4693 4694 4695 4696
611 612 613 614 636 637 638 639	<i>Pandora neoaphidis</i> 2123	4697 4976 4977 4978 4979
United Kingdom	<i>Capitophorus</i> sp.	<i>Isaria fumosorosea</i> 4698 4699 4700
<i>Conidiobolus thromboides</i> 42 1735	France	4701 4702 4703 4704 4705 4706
USA, Washington	<i>Zoophthora radicans</i> 822	4707 4708 4709 4710 4711
<i>Conidiobolus</i> sp. 3383	<i>Caviarella theobaldi</i>	Unidentified / Hyphomycetes 4689
<i>Pandora neoaphidis</i> 3238 3241	United Kingdom	4690
Yugoslavia, Vojvodina	<i>Conidiobolus thromboides</i> 101 102	<i>Diuraphis tritici</i>
<i>Pandora neoaphidis</i> 2019 2020	363 1733 1734	USA, Montana
Unidentified / Zygomycetes 2022	<i>Dactynotus formosanus</i>	<i>Conidiobolus thromboides</i> 2914
<i>Aphis glycines</i>	Japan	<i>Drepanosiphum aceris</i>
USA, Minnesota	<i>Pandora neoaphidis</i> 1137	Switzerland
<i>Conidiobolus thromboides</i> 11664	<i>Diuraphis noxia</i>	<i>Zoophthora radicans</i> 914 1130
USA, New York	Canada, Alberta	<i>Eriosoma lanigerum</i>
<i>Conidiobolus thromboides</i> 7209	<i>Lecanicillium muscarium</i> 3000	South Africa
7210 7211	France	<i>Conidiobolus</i> sp. 6659
<i>Pandora neoaphidis</i> 7212 7213 7214	<i>Beauveria bassiana</i> 3867	<i>Hirsutella illustris</i> 5539
7226 8607	<i>Isaria fumosorosea</i> 4383	<i>Hyalopterus pruni</i>
<i>Aphis gossypii</i>	<i>Pandora neoaphidis</i> 3126 3174 3175	France
Brazil, Rio de Janeiro	Hungary	<i>Pandora neoaphidis</i> 1596
<i>Cladosporium herbarum</i> 4361	<i>Beauveria bassiana</i> 6968 6969	<i>Hyperomyzus lactucae</i>
India	<i>Beauveria bassiana</i> (?) 6608	Australia
<i>Fusarium</i> sp. 7233	<i>Verticillium lecanii</i> 6606	<i>Pandora neoaphidis</i> 829 835
Israel		Chile
<i>Conidiobolus thromboides</i> 83 194		<i>Pandora neoaphidis</i> 833

- Lipaphis erysimi*
PR China
Pandora nouryi 8930 8931
- Macrosiphoniella sanborni*
United Kingdom
Lecanicillium longisporum 5126
Verticillium lecanii 6542
- Macrosiphum* sp.
France
Pandora neoaphidis 1607 1612
- Macrosiphum akebiae*
Japan
Pandora neoaphidis 1134
- Macrosiphum euphorbiae*
USA, Idaho
Lecanicillium muscarium 2858
USA, Maine
Batkoa apiculata 174
Conidiobolus obscurus 182
Conidiobolus thromboides 40
Lecanicillium muscarium 204
Pandora neoaphidis 181
Zoophthora occidentalis 207
Yugoslavia, Belgrade
Erynia sp. 2292
- Macrosiphum rosae*
France
Pandora neoaphidis 1986 1987
- Metopolophium dirhodum*
France
Conidiobolus obscurus 97
South Africa
Pandora neoaphidis 5707 5708
USA, Idaho
Conidiobolus coronatus 2812 2813
2814
Conidiobolus thromboides 2828
2829 2849 2850
Pandora neoaphidis 2874 2875 2876
3365 3367
Unidentified sp. 3368
Zoophthora radicans 2811
USA, Montana
Conidiobolus obscurus 3092
- Microlophium carnosum*
Switzerland
Pandora neoaphidis 7938 7939
- Myzus* sp.
Spain
Pandora neoaphidis 1601 1602
- Myzus nr. persicae*
France
Lecanicillium aphanocladii 2324
Lecanicillium muscarium 2323 2325
2326
- Myzus ascalonicus*
France
Batkoa apiculata 67
- Myzus cerasi*
Norway
Lecanicillium lecanii 6915
Lecanicillium muscarium 6914
- Myzus nicotinae*
USA, Kentucky
Pandora neoaphidis 3411 3412 3459
Unidentified sp. 3239
- Myzus persicae*
Argentina
Lecanicillium lecanii 7462
Lecanicillium muscarium 7782
Brazil, Paraná
Aspergillus clavatus 4359
Commonwealth of Independent States
Conidiobolus thromboides 63 99
Denmark
4078
Lecanicillium fusisporum 5583
Verticillium lecanii 4075 4076 4077
4079
Verticillium sp. 4074
India
Lecanicillium longisporum 1026
Location not specified
Isaria fumosorosea 3458
Portugal
Pandora neoaphidis 1600
PR China
Pandora neoaphidis 11662
Spain
Pandora neoaphidis 2085 2086
United Kingdom
Verticillium lecanii 5130 6543
USA, Arkansas
Pandora neoaphidis 3248 3249 3250
3251
USA, California
Lecanicillium muscarium 3324
USA, Florida
Conidiobolus thromboides 39
USA, Maine
Batkoa apiculata 129
Conidiobolus thromboides 2 41 57
USA, New York
Lecanicillium muscarium 8714
USA, Washington
Beauveria bassiana 3385
Conidiobolus sp. 3384
Lecanicillium lecanii 3387
USA, Wisconsin
Conidiobolus thromboides 649
- Myzus rannaculinum*
France
Zoophthora phalloides 352
- Nasonovia ribisnigri*
Argentina
Pandora neoaphidis 11862 11863
Zoophthora radicans 11860
- Ovatus crataegarius*
Denmark
Entomophthora planchoniana 6251
6252
- Pemphigus* sp.
United Kingdom
Metarhizium flavoviride var. *pemphigum* 7491
- Pemphigus betae*
USA, Arizona
Cladosporium cladosporioides 3463
Lecanicillium muscarium 3464
- Pemphigus trehernei*
United Kingdom
Metarhizium anisopliae sensu lato
6570
Metarhizium flavoviride var. *pemphigum* 6569
- Rhopalosiphum insertum*
France
Conidiobolus thromboides 73
- Rhopalosiphum maidis*
USA, Montana
Batkoa apiculata 3088 3091
Conidiobolus obscurus 3089 3090
- Rhopalosiphum nymphaeae*
USA, Florida
Lecanicillium longisporum 321
- Rhopalosiphum padi*
Denmark
Batkoa apiculata 5994
Conidiobolus obscurus 5992
Conidiobolus osmodes(?) 5993
- Hungary
Beauveria bassiana 6970
- Japan
Conidiobolus obscurus 1131
- South Africa
Cladosporium sp. 11866 11865 3374
- USA, Colorado
Batkoa apiculata 3080
USA, Idaho
Fusarium sp. 2337
- Schizaphis graminum*
Canada, Alberta
Conidiobolus thromboides 2955
USA, Idaho
Beauveria bassiana 2336 2860 2880
2881 2883
Pandora neoaphidis 3366
USA, Michigan
Conidiobolus sp. 1967
- Sitobion* sp.
Pandora neoaphidis 1597
- France
Pandora neoaphidis 1604
- Sitobion avenae*
Denmark
Pandora neoaphidis 5403 6166
USA, Idaho
Fusarium sp. 2333
Lecanicillium muscarium 2334
Lecanicillium psalliotae 2332
Stachybotrys sp. 2863
Verticillium lecanii 2859
- Therioaphis maculata*
Australia
Zoophthora radicans 359 370 823
Israel
Zoophthora radicans 103 104 105
106 107 108 109 110 111 112 114
139
Mexico
Zoophthora radicans 379
USA
Pandora nouryi 366
USA, California
Conidiobolus obscurus 74

- Conidiobolus thromboides* 15 29 115 208
USA, Illinois
Erynia sp. 1666
USA, New York
Zoophthora radicans 237 238 239
Therioaphis trifolii f. *maculata*
Israel
Zoophthora radicans 3737
Toxoptera aurantii
Colombia
Fusarium sp. 6790
Toxoptera citricida
Argentina
Lecanicillium longisporum 2460
Lecanicillium sp. 2009
Dominican Republic
Verticillium lecanii 6144 6145
Uroleucon sp.
Canada, Québec
Conidiobolus obscurus 121 122
Conidiobolus thromboides 120
Uroleucon ambrosiae
Mexico
Lecanicillium lecanii 6886
Uroleucon formosanus
Japan
Pandora neoaphidis 993
- Hemiptera: Cercopidae**
Argentina
Metarhizium anisopliae sensu lato
7474 7475 7476 8376 8527
Brazil
Metarhizium anisopliae sensu lato
1899 1902 1911 3147 8498
Brazil, Bahia
Metarhizium anisopliae sensu lato
1282 1299 1379 1382
Metarhizium anisopliae sensu
stricto 1045
Brazil, Pará
Metarhizium anisopliae sensu lato
1890 1891 1895
Ghana
Pseudogibbellula formicarum 2913
Mexico
Metarhizium anisopliae sensu lato
3307
Metarhizium anisopliae sensu
stricto 1912
PR China
Cordyceps sp. 6349
Switzerland
Conidiobolus sp. 391
USA, New York
Zoophthora radicans 800
Aeneolamia postica
Costa Rica
Fusarium sp. 3345
Aeneolamia varia
Colombia
Aspergillus sp. 6369 6372
Metarhizium anisopliae sensu lato
6319 6342 6343 6345 6346
Metarhizium anisopliae sensu
stricto 798 6347
- Trichoderma viride*(?) 6344
Unidentified sp. 6370
Trinidad and Tobago
Metarhizium anisopliae sensu
stricto 3621
Deois sp.
Brazil, Mato Grosso
Conidiobolus sp. 2147
Brazil, Paraná
Metarhizium anisopliae sensu lato
2521
Deois flavopicta
Brazil
Metarhizium anisopliae sensu
stricto 2517
Brazil, Bahia
Metarhizium anisopliae sensu
stricto 1900
Brazil, Distrito Federal
Beauveria bassiana 3019
Purpureocillium lilacinum 3481
Brazil, Espírito Santo
Metarhizium anisopliae sensu lato
925
Metarhizium anisopliae sensu
stricto 1044
Brazil, Goiás
Beauveria bassiana 806
Metarhizium anisopliae sensu lato
729 759 782 955 1970
Purpureocillium lilacinum 2078
Brazil, Mato Grosso
Conidiobolus sp. 2148
Deois incompleta
Brazil, Pará
Metarhizium anisopliae sensu lato
1449
Kanaima fluvialis
Argentina
Metarhizium anisopliae sensu lato
8377
Mahanarva andigena
Colombia
Fusarium sp. 6460 6461 6464
Mahanarva fimbriolata
Brazil, São Paulo
Metarhizium anisopliae sensu
stricto 7979 7981
Mahanarva posticata
Brazil, Bahia
Metarhizium anisopliae sensu lato
1896 1898
Metarhizium anisopliae sensu
stricto 1894
Brazil, Pernambuco
Metarhizium anisopliae sensu
stricto 2627 7980
Mahanarva sp.
Colombia
Metarhizium anisopliae sensu lato
6321 6322
Prosapia nr. bicincta
Costa Rica
Fusarium sp. 4713 4714 4715
- Prosapia plagiata*
Costa Rica
Sterile mycelium 4712
Prosapia simulans
Costa Rica
Unidentified sp. 3536
Zulia carbonaria
Colombia
Beauveria bassiana 6459
Curvularia sp. 6367 6465
Metarhizium anisopliae sensu lato
6457 6468
Paecilomyces crustaceus(?) 6462
6467
Paecilomyces lilacinus(?) 6458
Unidentified sp. 6463 6466
Zulia colombiana
Colombia
Fusarium oxysporum(?) 6355
Fusarium sp. 6348 6351 6352 6353
6354 6358
Metarhizium anisopliae sensu lato
6356
Penicillium sp. 6357 6359
Zulia entrerriana
Brazil, Mato Grosso
Beauveria bassiana 477
Zulia pubescens
Colombia
Fusarium sp. 6320 6375 6576
Metarhizium anisopliae sensu lato
6323
Metarhizium anisopliae sensu
stricto 6317 6318
Purpureocillium lilacinum 6340
Zulia vilior costarricensis
Costa Rica
Mucor sp. 3535
- Hemiptera: Cicadellidae**
Batkoa apiculata 5552
Brazil, Goiás
Entomophaga australiensis 743
Pandora delphacis 1238 1936
Zoophthora radicans 1495 1587
1591 2196
Brazil, Mato Grosso
Beauveria bassiana 945
Brazil, Paraná
Zoophthora radicans 1239
Brazil, São Paulo
Metarhizium flavoviride 'Type E'
2948
India
Sterile mycelium 3702
Japan
Zoophthora radicans 1263
Philippines
Conidiobolus coronatus 419 421 422
Hirsutella guyana 2352 2387
Metarhizium album 2081
Metarhizium flavoviride var. *minus*
2339
Metarhizium sp. 2353
PR China
Cordyceps sp. 6281

Fungus by Host and Location

Hemiptera: Cicadellidae

Hemiptera: Cicadidae

Russian Federation	Brazil, Goiás	<i>Nephotettix cincticeps</i>
<i>Beauveria bassiana</i> 7590 9443	<i>Entomophaga</i> sp. 1230 1625	Japan
<i>Purpureocillium lilacinum</i> 9523	<i>Zoophthora radicans</i> 789 790 1492	<i>Beauveria bassiana</i> 1098
USA, Hawaii	1493 1494 1496 1497 1498 1499	Philippines
<i>Beauveria bassiana</i> 8710 8711	1500 1501 1502 1503 1504 1541	<i>Metarhizium pingshaense</i> 2043
<i>Cladosporium</i> sp. 7039	1542 1543 1544 1581 1582 1583	<i>Pandora delphacis</i> 458 459 460 461
<i>Lecanicillium muscarium</i> 7037	1584 1585 1586 1588 1589 1590	478
<i>Sporothrix</i> sp. 7038	1593 1594 1595 1928 1929 1930	<i>Nephotettix virescens</i>
USA, Illinois	1931 1932 1933 1934 1935 1937	Indonesia, Jawa Barat, Java
<i>Zoophthora radicans</i> 2549 2551	Brazil, Rio Grande do Norte	<i>Metarhizium pingshaense</i> 2106
2552	<i>Entomophaga australiensis</i> 791	Indonesia, Sulawesi Selatan, Celebes
<i>Balacha melanocephala</i>	<i>Hirsutella guyana</i> 878 879 881 882	<i>Metarhizium anisopliae</i> sensu
Argentina	883	stricto 2153
<i>Beauveria bassiana</i> 7464 7465 7467	Brazil, Rio Grande do Sul	Philippines
7469 8370 8459 8460 8528 8529	<i>Zoophthora radicans</i> 1227	<i>Hirsutella strigosa</i> 2197
<i>Cicadella</i> sp.	Brazil, Santa Catarina	<i>Metarhizium album</i> 1840 1941 1942
Australia	<i>Zoophthora radicans</i> 1228 1229	1943 2176 2178
<i>Entomophaga australiensis</i> 328	1231 1232 1233 1234 1236 1237	<i>Metarhizium flavoviride</i> var. <i>minus</i>
<i>Cofana spectra</i>	Brazil, São Paulo	1945
Indonesia, Sulawesi Utara, Celebes	<i>Zoophthora radicans</i> 2994 2995	<i>Oncometopia tucumana</i>
<i>Metarhizium album</i> 2082	2996 3002 3003 3004 3005 3006	Argentina
<i>Empoasca</i> sp.	3007 3008 3009 3010 3011 3012	<i>Clonostachys rosea</i> 7200
Israel	3013	<i>Pawiloma victima</i>
<i>Zoophthora radicans</i> 3623	<i>Empoasca vitis</i>	Argentina
Yugoslavia	Laboratory manipulation	<i>Beauveria bassiana</i> 8371
<i>Zoophthora radicans</i> 2282 2283	<i>Entomophaga praxibuli</i> 3058	<i>Recilia dorsalis</i>
2284 2285 2288 2289	<i>Zoophthora radicans</i> 3151 3172	Philippines
Yugoslavia, Belgrade	Location not specified	<i>Metarhizium album</i> 2179
<i>Zoophthora radicans</i> 2241 2242	<i>Zoophthora radicans</i> 3162	<i>Metarhizium anisopliae</i> sensu lato
2243 2244 2245 2246 2286 2287	Yugoslavia	543
<i>Empoasca fabae</i>	<i>Zoophthora radicans</i> 2703 2709	<i>Metarhizium flavoviride</i> var. <i>minus</i>
Laboratory manipulation	2712 3114 3116	1546 1547
<i>Zoophthora radicans</i> 3355	Yugoslavia, Belgrade	Unidentified / Hyphomycetes 2177
Location not specified	<i>Zoophthora radicans</i> 2696 2700	PR China
<i>Zoophthora radicans</i> 2400	2701 2702 2706 2708 2713 3119	<i>Paecilomyces</i> sp. 680
USA, Illinois	3149 3150 3159 3160 3164 3165	<i>Pandora delphacis</i> 659 660
<i>Zoophthora radicans</i> 1938 2550	<i>Hauptida distinguenda</i>	<i>Sonesimia grossa</i>
2716 2717 2718 2719 2720 3283	France	Argentina
3284	<i>Zoophthora radicans</i> 2256 2257	<i>Clonostachys rosea</i> 7472
USA, Michigan	2258 2259 2260 2261 2262	<i>Typhlocyba</i> sp.
<i>Zoophthora radicans</i> 2977 2978	<i>Idiocerus nitidulus</i>	Yugoslavia
2979 2980	Malaysia	<i>Zoophthora radicans</i> 3115
USA, New York	<i>Hirsutella versicolor</i> 4512	Yugoslavia, Belgrade
<i>Batkoa major</i> 2936 3102 3103	<i>Idioscopus clypealis</i>	<i>Zoophthora radicans</i> 3170 3171
<i>Conidiobolus coronatus</i> 3099 3109	Philippines	Hemiptera: Cicadidae
<i>Conidiobolus thromboides</i> 3129	<i>Hirsutella verticillioides</i> 2599	Argentina
<i>Pandora delphacis</i> 3072 3093 3094	<i>Molopopterus theae</i>	<i>Metarhizium robertsii</i> 3925
3095 3096 3106 3107	South Africa	Brazil
Unidentified sp. 3128	<i>Beauveria bassiana</i> 6982	<i>Metarhizium anisopliae</i> sensu lato
<i>Zoophthora radicans</i> 3104 3105	<i>Zoophthora radicans</i> 6605	4095
3376 3377 3390 4520	<i>Nephotettix bipunctata cincticeps</i>	Japan
USA, Wisconsin	Indonesia, Sulawesi Selatan, Celebes	<i>Beauveria bassiana</i> 7256 7258
<i>Zoophthora radicans</i> 1018 1019	<i>Conidiobolus coronatus</i> 597	Mexico
1020 1021 1261 1262	<i>Conidiobolus</i> sp. 605 606	<i>Beauveria bassiana</i> 2544
<i>Empoasca fabae</i>	Japan	PR China
Laboratory manipulation	<i>Beauveria bassiana</i> 1553 1554 1555	<i>Beauveria bassiana</i> 11712
<i>Zoophthora radicans</i> 3697	1556	<i>Purpureocillium lilacinum</i> 6247
<i>Empoasca kraemeri</i>	Malaysia	Russian Federation
Brazil	<i>Conidiobolus coronatus</i> 520	<i>Metarhizium</i> sp. 7645
<i>Trichoderma</i> sp. 807	Philippines	<i>Cicadetta puer</i>
<i>Zoophthora radicans</i> 3026	<i>Entomophaga</i> sp. 1126	Australia
Brazil, Ceará	PR China	<i>Ophiocordyceps heteropoda</i> 1880
<i>Hirsutella guyana</i> 2993	<i>Beauveria amorpha</i> 656	<i>Entomophaga australiensis</i> 331 365
<i>Hirsutella</i> sp. 2644 2645 2646 2647	<i>Beauveria bassiana</i> 708	<i>Cryptotympana facialis</i>
2648 2649 2650 2651 2652 2653	<i>Beauveria brongniartii</i> 678	Republic of China
2654 2655 2656 2657 2992	<i>Trichothecium</i> sp. 653	<i>Nomuraea viridulus</i> 6927

<i>Magiccada septendecim</i>	12064 12065 12066 12067 12068	India
USA, Maryland	12069 12070 12071 12080 12081	<i>Conidiobolus</i> nr. <i>coronatus</i> 1742
<i>Beauveria brongniartii</i> 7376	12082	1743
USA, New York	Unidentified / Hyphomycetes	<i>Conidiobolus</i> sp. 211
<i>Massospora cicadina</i> 374	12085	<i>Fusarium moniliforme</i> var. <i>inter-</i>
<i>Mogannia hebes</i>	<i>Parthenolecanium corni</i>	<i>medium</i> 3223
Republic of China	Czechoslovakia	<i>Metarhizium anisopliae</i> sensu lato
<i>Isaria sinclairii</i> 6925	<i>Lecanicillium muscarium</i> 8041	1726 1727 1728 1744 1745 1823
<i>Pomponia linearis</i>	<i>Lecanicillium</i> sp. 7622	<i>Metarhizium pingshaense</i> 1724
Republic of China	<i>Simplicillium lanosoniveum</i> 7623	1725 1729
<i>Nomuraea cylindrospora</i> 6926	Unidentified / Hyphomycetes 9538	<i>Pandora delphacis</i> 1730 1731
Hemiptera: Cixiidae	USA, Vermont	Indonesia, Jawa Barat, Java
<i>Myndus crudus</i>	<i>Hirsutella lecaniicola</i> 8888	2146
USA, Florida	<i>Phytokermes hemichryphus</i>	<i>Beauveria bassiana</i> 2427
<i>Hirsutella citrififormis</i> 1035 1446	Denmark	<i>Conidiobolus coronatus</i> 1876
<i>Oliarus dimidiatus</i>	<i>Verticillium lecanii</i> 4025	<i>Conidiobolus</i> nr. <i>coronatus</i> 598
Argentina	<i>Pulvinaria aurantii</i>	<i>Hirsutella citrififormis</i> 1917 1918
<i>Beauveria bassiana</i> 7776	Iran	1919 2099 2100 2101 2102 2103
<i>Conidiobolus</i> sp. 7786 8378	<i>Verticillium lecanii</i> 6287 6291	2420 2422 2423 2426
Hemiptera: Coccidae	<i>Pulvinaria elongata</i>	<i>Metarhizium anisopliae</i> sensu
Brazil, São Paulo	India	<i>stricto</i> 2080 2421
<i>Aschersonia</i> sp. 10276	<i>Fusarium subglutinans</i> 2145	<i>Pandora delphacis</i> 2091
Ecuador	<i>Pulvinaria floccifera</i>	Indonesia, Jawa Tengah, Java
<i>Verticillium lecanii</i> 2916	Turkey	<i>Hirsutella citrififormis</i> 2346
Mexico	<i>Lecanicillium muscarium</i> 980	Indonesia, Lampung, Sumatra
<i>Lecanicillium lecanii</i> 6888	<i>Pulvinaria iceryi</i>	<i>Hirsutella citrififormis</i> 532
Republic of Korea	Mauritius	Indonesia, Lombok Island
<i>Beauveria bassiana</i> 6723	<i>Acremonium</i> sp. 11667	<i>Pandora delphacis</i> 575 579
Sri Lanka	<i>Saissetia oleae</i>	Indonesia, Sulawesi Selatan, Celebes
<i>Fusarium</i> sp. 1828	Israel	<i>Conidiobolus coronatus</i> 563 565
Ukraine	<i>Lecanicillium muscarium</i> 1029	<i>Conidiobolus</i> sp. 564
<i>Isaria farinosa</i> 9513	Hemiptera: Coreidae	<i>Metarhizium pingshaense</i> 576
USA, Hawaii	<i>Leptoglossus fulvicornis</i>	Indonesia, Sumatera Selatan, Sumatra
<i>Acremonium(?)</i> sp. 7036 7035	USA, Florida	<i>Hirsutella</i> sp. 568
<i>Ceroplastes</i> sp.	<i>Beauveria bassiana</i> 3086	Indonesia, Sumatera Utara, Sumatra
Colombia	Hemiptera: Cydnidae	<i>Entomophaga australiensis</i> 581
<i>Lecanicillium lecanii</i> 6791	<i>?Cirtonemus</i> sp.	<i>Pandora delphacis</i> 580
USA, Mississippi	Brazil, Goiás	Indonesia, Yogyakarta, Java
<i>Lecanicillium muscarium</i> 7375	<i>Metarhizium robertsii</i> 1952	<i>Conidiobolus</i> nr. <i>coronatus</i> 599 600
<i>Coccus hesperidum</i>	<i>Scaptoceres castanea</i>	<i>Conidiobolus</i> sp. 595 596
Iran	Brazil, Goiás	<i>Hirsutella citrififormis</i> 591
<i>Lecanicillium lecanii(?)</i> 6289	<i>Metarhizium pingshaense</i> 1448	Japan
<i>Coccus viridis</i>	Hemiptera: Delphacidae	<i>Conidiobolus coronatus</i> 997
Colombia	Indonesia, Jawa Barat, Java	<i>Pandora delphacis</i> 134 1124 1132
<i>Lecanicillium muscarium</i> 6792	USA, Hawaii	1133 1264 1268
India	<i>Beauveria kipukae</i> 7032	<i>Zoophthora radicans</i> 1125 1136
<i>Fusarium</i> sp. 2232	<i>Sporothrix</i> sp. 7042	Malaysia
Indonesia, Java	<i>Delphacodes haywardii</i>	<i>Conidiobolus coronatus</i> 512 514 523
<i>Lecanicillium lecanii</i> 2149 2150	Argentina	524
Indonesia, Jawa Barat, Java	<i>Conidiobolus coronatus</i> 7203	<i>Conidiobolus</i> sp. 517 522
<i>Verticillium lecanii</i> 5153	<i>Delphacodes kuscheli</i>	Philippines
Sri Lanka	Argentina	<i>Conidiobolus coronatus</i> 405 406 418
<i>Lecanicillium muscarium</i> 1774	<i>Aphanocladium</i> sp. 8457 8458	511
<i>Neolecanium cornuparvum</i>	<i>Lecanicillium muscarium</i> 7781	<i>Hirsutella citrififormis</i> 490 684 1036
USA, Vermont	<i>Delphacodes striatella</i>	1062 1063 1064 1243 1244 1245
<i>Colletotrichum</i> sp. 10308	Japan	1246 1249 1251 1252 1253 1254
<i>Parthenolecanium</i> sp.	<i>Zoophthora radicans</i> 1050	1255 1256 1257 1258 1259 1436
Turkey	<i>Nilaparvata lugens</i>	1549 1550
<i>Lecanicillium muscarium</i> 11736	Australia	<i>Hirsutella</i> sp. 1096
USA, Rhode Island	<i>Conidiobolus coronatus</i> 349	<i>Hirsutella strigosa</i> 2044
<i>Colletotrichum</i> sp. 12083 12072		<i>Isaria fumosorosea</i> 2198
12073 12074 12075 12076 12077		<i>Metarhizium anisopliae</i> sensu lato
12078 12079 12084 12052 12053		456 457 485 486 487 488 489 1284
12054 12055 12056 12057 12058		1285 1286 1290 1300 1304
12059 12060 12061 12062 12063		<i>Metarhizium brunneum</i> 455

- Metarhizium flavoviride* var. *minus*
1099 1271 1272 1273 1274 1275
1276 1277 1279 1283 1287 1288
1289 1291 1292 1293 1294 1295
1296 1297 1301 1302 1303 1305
2037
- PR China
Beauveria bassiana 654 679 709 714
717 719
Conidiobolus coronatus 655
Conidiobolus lachnodes 700
Fusarium sp. 687
Pandora delphacis 657 664 665 666
667 668 669 670 672 673 674 676
682 686 698 713 716
Zoophthora radicans 685
- Republic of Korea
Fusarium semitectum 2053
Hirsutella repens 2348 2359 2394
Metarhizium anisopliae sensu lato
2038 2039
Torribiella homopterorum 2045
- Solomon Islands
Calcarisporium ovalisporum 1907
Entomophaga sp. 1881
Hirsutella citrififormis 1913
Metarhizium flavoviride var. *minus*
1763 1764 1765 1766 1767 1768
1769 1770 1771 1772 1773
Sporothrix sp. 1908
- Sri Lanka
Hirsutella citrififormis 1837
- Thailand
Conidiobolus coronatus 525 528
Tilletiopsis sp. 527 572 573
- Vietnam
Beauveria bassiana 7592
Metarhizium anisopliae sensu lato
7644
- Sogatella furcifera*
India
Aspergillus sp. 8519 8282 8283 8285
- Indonesia, Jawa Barat, Java
Pandora delphacis 2092 2093 2095
2096 2409
- Indonesia, Sulawesi Selatan, Celebes
Conidiobolus nr. *coronatus* 602
Conidiobolus sp. 604
Nomuraea rileyi 558
Pandora delphacis 593 603
- PR China
Pandora delphacis 6538 6539
- Sogatodes pusanus*
Indonesia, Jawa Barat, Java
Pandora delphacis 2094
- Hemiptera: Derbidae**
Lydda sp.
Tanzania
Hirsutella sp. 4515
- Hemiptera: Diaspididae**
Aonidiella aurantii
Mexico
Aschersonia turbinata 11868 11869
Fiorinia externa
Unidentified / Hyphomycetes 7067
- USA, Connecticut
Lecanicillium lecanii(?) 11815
Metarhiziopsis microspora 8676
11843
Myriangium sp. 11852 11853
Myriodontium keratinophilum
11837
- USA, Massachusetts
Metarhiziopsis microspora 8984
8985
- USA, New Hampshire
Metarhiziopsis microspora 11851
- USA, New York
Colletotrichum fioriniae 10219
10220 10221 10222 10223
Metarhiziopsis microspora 8986
8987 8988 11842
Myriangium sp. 11854 11855
Myriangium duriaei 8924 8925
- Lepidosaphes* sp.
Indonesia, Jawa Barat, Java
Fusarium coccophilum 2098
- Lopholeucaspis japonica*
Republic of Georgia
Fusarium sp. 6225
- Melanaspis glomerata*
India
Fusarium moniliforme 2074
- Melanaspis obscura*
USA, District of Columbia
Fusarium coccophilum 821
- Nuculaspis tsugae*
Japan
Hirsutella sp. 1668
- Unaspis citri*
USA, Florida
Trichoderma sp. 3084
- Hemiptera: Eriococcidae**
Cryptococcus fagisuga
United Kingdom
Lecanicillium muscarium 3740
Verticillium lecanii 3741 3742 3743
- Hemiptera: Flatidae ?**
Australia
Pseudogibellula formicarum 5765
5766
- Hemiptera: Jassidae**
Location not specified
Sporodiniella umbellata 5222
- Hemiptera: Lecaniidae**
Lecanium viridis
Sri Lanka
Lecanicillium lecanii 555
- Hemiptera: Lophopidae**
Pyrilla perpusilla
India
Fusarium subglutinans 2143 2144
- Hemiptera: Lygaeidae**
Kazakhstan
Isaria farinosa 6496
- USA, Hawaii
Beauveria bassiana 8706
- Blissus leucopterus*
USA, Kansas
Beauveria bassiana 792 2430
- Nysius vinitor*
Australia
Beauveria bassiana 300
- Scolopostethus affinis*
Denmark
Beauveria bassiana 8027
- Hemiptera: Margarodidae**
Icerya aegyptica
Egypt
Lecanicillium psalliotae 6581 6582
- Icerya purchasi*
Egypt
Gliocladium(?) sp. 6579 6583 6580
- Sri Lanka
Lecanicillium muscarium 1033
- Hemiptera: Membracidae**
Brazil, Bahia
Beauveria bassiana 3999
Unidentified sp. 4000
- Brazil, Pará
Hirsutella versicolor 1034
- Brazil, Rondônia
Hirsutella versicolor 1037
- Mexico
Beauveria bassiana 3312
- Papua New Guinea
Beauveria sp. 2164
- Ceresa bubalus*
India
Fusarium sp. 8279
- Gargara* sp.
Canada, Québec
Conidiobolus sp. 5405 5406
- USA, Vermont
Conidiobolus sp. 5404
- Kronides* sp.
Argentina
Beauveria bassiana 7468
- Spissistilus festinus*
USA, Alabama
Pandora delphacis 2028
- USA, Arkansas
Pandora delphacis 3484
- USA, California
Beauveria bassiana 8318
- Hemiptera: Mesoveliidae**
Mesovelia mulsanti
USA, Florida
Beauveria bassiana 320
- Hemiptera: Miridae**
Costa Rica
Beauveria bassiana 3449 3454 3456
- Indonesia, Jawa Barat, Java
2132
- South Africa
Isaria farinosa 6607
- USA, New York
Pandora delphacis 3062

- Tibraca limbativentres*
Brazil
Beauveria bassiana 4091
Brazil, Goiás
Beauveria bassiana 933
Metarhizium anisopliae sensu lato
1882 2212 2213 2214
Metarhizium anisopliae sensu
stricto 1883
Purpureocillium lilacinum 2215
- Hemiptera: Pseudococcidae**
Paracoccus marginatus
India
Lecanicillium aphanocladii 9611
Metarhizium anisopliae sensu lato
9612 9613
Phenacoccus solani
USA, Florida
Isaria fumosorosea 2247
Phenacoccus solenopsis
India
Aspergillus clavatus 9375
Aspergillus flavus 9376
Cladosporium cladosporioides 9614
Fusarium sp. 9377
Rastrococcus invadens
Togo
Hirsutella cryptosclerotium 4517
Rhizoecus sp.
USA, Florida
Beauveria bassiana 2236
Lecanicillium psalliotae 2234 2235
- Hemiptera: Psyllidae**
Russian Federation
Engyodontium(?) sp. 9476
Isaria farinosa(?) 7219
Isaria sp. 9517
Diaphorina citri
Mexico
Hirsutella sp. 9605 9606 11755
11757 11758 11759 11760 11761
10230
USA, Florida
Hirsutella citrififormis 8315 9180
11665
Paecilomyces sp. 8316
Heteropsylla cubana
Papua New Guinea
Fusarium lateritium 2304
Fusarium sp. 2303
Philippines
Hirsutella citrififormis 2347 2598
Heteropsylla incisa
Papua New Guinea
Fusarium semitectum 2299 2300
Fusarium subglutinans 2301
Philippines
Isaria fumosorosea 2175
Psyllida etrioza
Canada, Québec
Zoophthora radicans 126
Trioza urticae
Switzerland
Zoophthora radicans 1719
- Hemiptera: Reduviidae**
Triatoma infestans
Argentina
Beauveria bassiana 7147
Fusarium sp. 7473
Purpureocillium lilacinum 7478
- Hemiptera: Rhopalidae**
Kazakhstan
Verticillium sp. 6498
Leptocoris sp.
Indonesia, Lombok Island
Beauveria bassiana 560
Indonesia, Yogyakarta, Java
Beauveria bassiana 566
Leptocoris oratorius
Philippines
Beauveria bassiana 1269 1270
- Hemiptera: Scutelleridae**
Eurygaster sp.
Iran
Beauveria bassiana 10353 10354
10355 10356 10357 10358 10359
10360 10361 10362 11620
Isaria sp. 10363 10364 10365 10366
10367 10368 10369 10370 10371
10372 10373 10374 10375 10376
10377 10379 10380 10381 10382
10383 10384 10385 11631 11632
11633 11634 11635 11636
Kazakhstan
Beauveria bassiana 11618 11619
Isaria farinosa 6481 6490 6495
Purpureocillium lilacinum 6494
6502
Verticillium lecanii 6479
Verticillium sp. 6485
Kyrgyz Republic
Beauveria bassiana 8932 10352
Verticillium sp. 6480
Republic of Kazakhstan
Beauveria bassiana 10351
Isaria sp. 10378
Russian Federation
Beauveria bassiana 6008 6009 6011
6013 6014 6016 6019 6039 6040
6041 6042
Beauveria brongniartii 6023
Beauveria pseudobassiana 6015
6022 6043
Isaria farinosa 6012 6017 6020 6044
Lecanicillium lecanii 6010
Purpureocillium lilacinum 6018
6021 6024 6026
Verticillium lecanii 6025
Syria
Aphanocladium album 5756
Beauveria bassiana 5674 6065 6066
6067 6069 6070 6079 6086 6087
6088 6089 6090 6091 6149
Fusarium sp. 5682 5755 5757
Lecanicillium muscarium 6118
Lecanicillium psalliotae 5681 5683
5763 5835 6071
Purpureocillium lilacinum 6080
6114 6116
- Verticillium lecanii* 6068 6085
Turkey
5723
Aspergillus niger 5721
Aspergillus ochraceus 5722
Aspergillus sp. 6399
Beauveria bassiana 5665 5725 5753
5762 10348 10349
Beauveria bassiana(?) 5684
Beauveria pseudobassiana 5724
Beauveria sp. 5686 5680 6394 6395
6396 6397 6398 6400 6401 6402
6403 6409 6410 6425 6428 6429
Isaria farinosa 5675 5676 5679
Lecanicillium psalliotae 5666
Uzbekistan
Beauveria bassiana 6056 6060 6072
6073 6076 6083 6115
Purpureocillium lilacinum 6081
6082 6084 6094 6117
Eurygaster integriceps
Iran
Isaria farinosa 6288
- Hemiptera: spf. Coccoidea**
Ukraine
Lecanicillium muscarium(?) 9463
USA, Puerto Rico
Aschersonia sp. 7085
Unidentified / Hyphomycetes 7076
7081 7086
USA, Wisconsin
Septobasidium carestianum 6473
- Hemiptera: spf. Fulgoroidea**
Argentina
Isaria fumosorosea 7050
- Hemiptera: Tingidae**
Corythucha ciliata
France
Beauveria bassiana 812
Leptopharsa heveae
Brazil, Amazonas
Evlachovaea sp. 6638
Lecanicillium aphanocladii(?) 7986
Brazil, Distrito Federal
Evlachovaea sp. 6641
Simplicillium lanosoniveum 6642
Brazil, Mato Grosso
Beauveria bassiana 7984 8637 8638
Evlachovaea sp. 6635 6639 6640
Lecanicillium aphanocladii(?) 7985
Lecanicillium sp. 8639
Simplicillium lanosoniveum 6636
6637
Tolypocladium sp. 6634
Unidentified / Hyphomycetes 8640
French Guiana
Simplicillium lanosoniveum 6430
6431 6432
Verticillium lecanii 6651

Hemiptera: coccoidea: Asterolecaniidae	USA, Florida	Unidentified / Hyphomycetes
<i>Bambusaspis</i> sp.	<i>Ascosphaera apis</i> 6362	12029 12030 12041 12042 12047
Trinidad and Tobago	<i>Beauveria bassiana</i> 5989	USA, New Mexico
<i>Verticillium pseudohemipterigenum</i>	USA, Oregon	<i>Aspergillus</i> sp. 12051 12049
5687	<i>Ascosphaera apis</i> 691 692	Unidentified / Hyphomycetes
	USA, Texas	12027 12028
	<i>Ascosphaera apis</i> 2683 7405 7406	USA, Texas
Heteroptera	<i>Bombus</i> sp.	<i>Beauveria bassiana</i> 12023 12024
Denmark	Argentina	<i>Beauveria</i> sp. 11743 11744 12032
<i>Beauveria bassiana</i> 4057	<i>Beauveria bassiana</i> 7201	12033 12034 12035 12036 12037
		12040 12048
Heteroptera: Miridae	Hymenoptera: Apoidea	Unidentified / Hyphomycetes
Denmark	PR China	12031 12043 12044 12045
<i>Beauveria bassiana</i> 4035	<i>Beauveria bassiana</i> 9595	France
<i>Lygus</i> sp.		<i>Beauveria bassiana</i> 5069
Denmark	Hymenoptera: Cephidae	<i>Acromyrmex octospinosus</i>
<i>Beauveria bassiana</i> 4053	<i>Cephus</i> sp.	Panama
	PR China	<i>Escovopsis</i> sp. 5574
Hymenoptera	<i>Beauveria bassiana</i> 6793 6794 6795	<i>Anoplolepis longipes</i>
Brazil, Goiás	<i>Cephus cinctus</i>	Papua New Guinea
<i>Conidiobolus</i> sp. 2193	USA, Montana	<i>Aspergillus flavus</i> 2157 2158 2159
Canada, British Columbia	<i>Beauveria bassiana</i> 12240 12241	<i>Lasiodiplodia theobromae</i> 2170
<i>Paecilomyces</i> sp. 8007 8008	12242 12243 12244 12245 12246	<i>Purpureocillium lilacinum</i> 2155
Denmark	12247 12248	<i>Trichoderma</i> sp. 2160 2161
<i>Ascosphaera major</i> 694	Hymenoptera: Colletidae	<i>Atta</i> sp.
Japan	Australia	Brazil
<i>Beauveria bassiana</i> 7257 7259	<i>Ascosphaera solina</i> 5146	<i>Beauveria bassiana</i> 1831
PR China		Brazil, Goiás
<i>Hymenostilbe sphecophila</i> 6292	Hymenoptera: Diprionidae	<i>Metarhizium anisopliae</i> sensu lato
Republic of Korea	<i>Diprion pini</i>	2510
<i>Beauveria bassiana</i> 7239 7254 7265	Location not specified	Mexico
<i>Beauveria pseudobassiana</i> 7242	<i>Beauveria bassiana</i> 338	<i>Beauveria bassiana</i> 3285
<i>Beauveria sungii</i> 7281	<i>Neodiprion tsugae</i>	<i>Atta colombica</i>
<i>Isaria farinosa</i> 7249 7262	USA, Alaska	Panama
Switzerland	<i>Zoophthora radicans</i> 13	<i>Escovopsis weberi</i> 5576
<i>Batkoa apiculata</i> 395	Hymenoptera: Encyrtidae	<i>Atta mexicana</i>
USA, Vermont	<i>Anagyrus</i> sp.	Mexico
<i>Lecanicillium evansii</i> (?) 11804	Mexico	<i>Beauveria bassiana</i> 2484 2485 2486
Hymenoptera: ?Megachilidae	<i>Metarhizium anisopliae</i> sensu lato	<i>Atta sexdens rubropilosa</i>
Brazil, Goiás	3146	Brazil, São Paulo
<i>Beauveria bassiana</i> 957		<i>Metarhizium robertsii</i> 2560
Hymenoptera: Superfamily Apoidea	Hymenoptera: Eulophidae	<i>Camponotus</i> sp.
Australia	USA, New York	<i>Penicillium sumatrense</i> 7099
<i>Ascosphaera</i> sp. 7368	<i>Isaria farinosa</i> 11835	<i>Formica rufa</i>
Brazil, Santa Catarina		Russian Federation
<i>Beauveria bassiana</i> 1468	Hymenoptera: Eurytomidae	<i>Beauveria</i> sp. 7597
Hymenoptera: Aphelinidae	<i>Bephratelloides cubensis</i>	<i>Formica</i> sp.
<i>Eretmocerus californicus</i>	USA, Florida	USA, Vermont
USA, Texas	<i>Beauveria bassiana</i> 2869	<i>Verticillium lecanii</i> 5168
<i>Isaria fumosorosea</i> 5253 5254 5255	Hymenoptera: Formicidae	<i>Myrmica rubra</i>
5256 5257 5258	<i>Fusarium</i> sp. 12039	United Kingdom
Hymenoptera: Apidae	Brazil, Bahia	<i>Beauveria bassiana</i> 7533 7534
Republic of Korea	<i>Beauveria bassiana</i> 1960	<i>Metarhizium anisopliae</i> sensu lato
<i>Cordyceps</i> sp. 4851 4844	Canada, Alberta	7535 7537 7538
<i>Apis mellifera</i>	<i>Conidiobolus coronatus</i> 7011	<i>Tolypocladium cylindrosporum</i>
Australia	Mexico	7539
<i>Ascosphaera apis</i> 5142	<i>Beauveria bassiana</i> 2487	USA, Maine
<i>Ascosphaera atra</i> 5147	Republic of Korea	<i>Beauveria brongniartii</i> 7058
<i>Ascosphaera duiformis</i> 5141	<i>Beauveria bassiana</i> 7260	<i>Hirsutella myrmicarum</i> 11864
Russian Federation	Russian Federation	<i>Metarhizium anisopliae</i> sensu lato
<i>Beauveria bassiana</i> 7596	<i>Isaria farinosa</i> 7728 9510	7059
<i>Beauveria</i> sp. 7589	USA, Arizona	<i>Myrmica scabrinodis</i>
Ukraine	<i>Aspergillus</i> sp. 12050	United Kingdom
<i>Beauveria bassiana</i> 9447	<i>Beauveria bassiana</i> 12025 12026	<i>Metarhizium anisopliae</i> sensu lato
	<i>Beauveria</i> sp. 11745 11746 11747	7536
	12046 12038	

Paltothyreus tarsatus

Ghana

Akanthomyces gracilis 2910 2919*Sporothrix insectorum* 2909 2918*Pogonomyrmex occidentalis*

USA, Colorado

Beauveria amorpha 7542*Beauveria bassiana* 7540 7541*Evlachovaea* sp. 7543 7544*Purpureocillium lilacinum* 7545

7546 7547 7548

Solenopsis sp.

Brazil

Beauveria bassiana 2722 2723

Brazil, São Paulo

Beauveria amorpha 2641*Metarhizium robertsii* 2561*Solenopsis invicta*

Brazil

Beauveria sp. 3859 3860

Brazil, Mato Grosso

Beauveria bassiana 2401 2402 2403

2404 5956 5957 5960 5961 5962

Beauveria bassiana(?) 5959

Unidentified sp. 2640

Uruguay

Beauveria bassiana 5967

USA, Florida

Akanthomyces clavatus 7577*Aspergillus ochraceus*(?) 7027*Beauveria bassiana* 5973 5974*Hirsutella* sp. 7578

USA, Texas

Conidiobolus sp. 2819*Metarhizium brunneum* 3738*Solenopsis quinquecuspis*

Brazil, Rio Grande do Sul

Beauveria bassiana 5968

Uruguay

Beauveria bassiana 5966*Solenopsis saevissima*

Brazil, Minas Gerais

Beauveria bassiana 5965

Brazil, Rio Grande do Sul

Beauveria bassiana 5969

Brazil, São Paulo

Beauveria bassiana 5958 5963*Solenopsis xyloni*

USA, California

Beauveria bassiana 5970 5971 5972*Trachymyrmex* sp.

Panama

Escovopsis aspergilloides 5575**Hymenoptera: Formicidae: Myrmicinae**

France

Beauveria bassiana 1976 1977 1978

1979

Hymenoptera: Formicoidea

Belarus

Isaria farinosa 9514**Hymenoptera: Ichneumonidae**

Poland

Beauveria pseudobassiana 156*Fusarium lateritium* 1331 1416*Lecanicillium muscarium* 1330

Ukraine

Beauveria bassiana 9448*Cratichneumon lanius*

Poland

Unidentified sp. 1421

Hymenoptera: Megachilidae*Beauveria bassiana* 7377 7378*Chalicodoma* sp.

Australia

Ascospaera subcuticulata 5145*Megachile* sp.

Australia

Ascospaera arienoides 5143*Ascospaera flava* 5144*Megachile centuncularis*

Denmark

Ascospaera proliperda 695*Megachile rotundata*

Canada, Saskatchewan

Ascospaera larvis 7945 7946

Laboratory manipulation

Ascospaera proliperda 696

USA, Nevada

Ascospaera aggregata 689

USA, Oregon

Ascospaera aggregata 690*Ascospaera atra* 693*Ascospaera proliperda* 6363*Aspergillus* sp. 6364*Osmia lignaria*

USA, Utah

Aspergillus niger 6365**Hymenoptera: Pamphiliidae**

Japan

Beauveria bassiana 7519 7520 7521

Unidentified / Hyphomycetes 7518

USA, Maine

Hirsutella gigantea 30*Acantholyda erythrocephala*

USA, New York

Isaria farinosa 5548*Pamphilius betulae*

Commonwealth of Independent States

Beauveria bassiana 154*Beauveria pseudobassiana* 152**Hymenoptera: Pergidae***Lophyrotoma zonalis*

Australia

Beauveria bassiana 8753**Hymenoptera: Siridae***Sirex noctilo*

South Africa

Tolypocladium cylindrosporium

5538

Hymenoptera: Sphecidae

Mexico

Evlachovaea sp. 2545**Hymenoptera: subord. Symphyta**

USA, Florida

Beauveria bassiana 5985**Hymenoptera: Tenthredinidae***Monophadnus elongatulus*

Italy

Evlachovaea sp. 1576*Pristiphora erichsonii*

Canada, British Columbia

Isaria farinosa 1851**Hymenoptera: Tenthredinoidea**

USA, Florida

Paecilomyces sp. 6883**Hymenoptera: Trichogrammatidae**

USA, Vermont

Lecanicillium evansii(?) 11806**Hymenoptera: Vespidae**

Brazil, Alagoas

Beauveria bassiana 1953

Brazil, Amazonas

Beauveria bassiana 730

Brazil, Goiás

Beauveria bassiana 2943 2944

USA, Vermont

Mariannaea sp. 11814*Polistes* sp.

Brazil, São Paulo

Beauveria bassiana 6513*Vespa* sp.

Russian Federation

Lecanicillium sp. 7630*Vespula germanica*

Australia

Penicillium sp. 4148*Vespula vulgaris*

Canada, Alberta

Beauveria pseudobassiana 2997**Isoptera**

Brazil, Goiás

Metarhizium anisopliae sensu lato

2949 2951

Isoptera: Kalotermitidae*Cryptotermes brevis**Metarhizium anisopliae* sensu lato

7927 7928 7930

Metarhizium pingshaense 7929*Kaloterme* sp.

Australia

Metarhizium robertsii 7413*Neotermes* sp.

Australia

Metarhizium anisopliae sensu lato

8731

Isoptera: Mastotermitidae*Mastotermes* sp.*Metarhizium anisopliae* sensu lato

7506

Mastotermes darwiniensis

Australia

Metarhizium anisopliae sensu lato

8581 8584 8585 8587 8588 8589

<i>Metarhizium anisopliae</i> sensu stricto 7430	Unidentified / Hyphomycetes 7802	<i>Cordyceps militaris</i> 4845
Isoptera: Rhinotermitidae	<i>Nasutitermes corniger</i>	Russian Federation
<i>Coptotermes</i> sp.	<i>Conidiobolus coronatus</i> 8455	<i>Beauveria bassiana</i> 7585 7593 9445
Australia	Panama	<i>Beauveria</i> sp. 7579 7586 7587 7594 7598
<i>Metarhizium anisopliae</i> sensu lato 8063 8089 8092 8093	<i>Purpureocillium lilacinum</i> 8456	<i>Clonostachys rosea</i> 9493
<i>Coptotermes acinaciformis</i>	<i>Nasutitermes exitiosus</i>	<i>Cordyceps militaris</i> 7809 7810 9484
Australia	Australia	<i>Cordyceps pruinosa</i> 7221
<i>Metarhizium anisopliae</i> sensu lato 8064 8081 8087 8088	<i>Metarhizium anisopliae</i> sensu lato 8060 8061 8068 8069 8070 8071 8075 8080 8082 8083 8084 8085 8086 8090 8091 8097 8100 8229 8230 8570	<i>Cordyceps</i> sp. 7808 7811 9486 7600 7601
<i>Coptotermes formosanus</i>	Lepidoptera	<i>Isaria farinosa</i> 7714 7720 7722 7723 7724 7725 7726 7730 7731 7733 7736 7737
USA, Hawaii	Brazil, Ceará	<i>Isaria fumosorosea</i> 7743 9520
<i>Metarhizium brunneum</i> 3045	<i>Beauveria bassiana</i> 2637	<i>Isaria tenuipes</i> 7790 9531 9532
USA, Louisiana	Brazil, Goiás	<i>Lecanicillium muscarium</i> 7621 7738 9468 9469 9477
<i>Beauveria bassiana</i> 6906 6907 6908	<i>Erynia</i> sp. 1241	<i>Lecanicillium</i> sp. 7624 7625 7626 7627 7628 7629 7632
<i>Metarhizium anisopliae</i> sensu lato 6909 6910 6911 8015	<i>Nomuraea rileyi</i> 936	<i>Metarhizium anisopliae</i> sensu lato 9541
<i>Coptotermes frenchi</i>	Brazil, São Paulo	<i>Paecilomyces</i> sp. 7721 7741 7742
Australia	<i>Beauveria bassiana</i> 2633	Solomon Islands
<i>Metarhizium anisopliae</i> sensu lato 8067	Canada	<i>Nomuraea rileyi</i> 1879 1893
<i>Coptotermes lacteus</i>	<i>Furia gastropachae</i> 2906	Switzerland
<i>Metarhizium pingshaense</i> 7431	<i>Hirsutella</i> sp. 2581	<i>Entomophaga</i> sp. 393
Australia	Canada, British Columbia	<i>Furia virescens</i> 427
<i>Metarhizium anisopliae</i> sensu lato 8059 8072 8073 8074 8094 8095 8231 8232 8233 8234 8235 8236 8502 8503 8504 8505 8506 8507 8508 8509 8510 8511 8512 8513 8514 8515 8516 8517 8518 8531 8532 8533 8534 8535 8536 8537 8538 8539 8540 8541 8542 8575	<i>Paecilomyces</i> sp. 7995 8001	<i>Zoophthora radicans</i> 404
<i>Metarhizium anisopliae</i> sensu stricto 7432	Denmark	Turkey
<i>Metarhizium frigidum</i> 7436 7437 7438 7439 7440 7441 7442 7443 7444 7445 7446 7447 7448	<i>Isaria farinosa</i> 7118	<i>Beauveria</i> sp. 5832
<i>Reticulitermes flavipes</i>	Ecuador	<i>Lecanicillium psalliotae</i> 5685
Canada, Ontario	<i>Beauveria</i> sp. 2998	Ukraine
<i>Beauveria bassiana</i> 3041	Indonesia, Jawa Barat, Java	<i>Evlachovaea</i> sp. 7599
<i>Metarhizium flavoviride</i> var. <i>pemphigum</i> 9358	<i>Metarhizium anisopliae</i> sensu lato 2424	<i>Isaria farinosa</i> 7734
<i>Metarhizium robertsii</i> 9607	Japan	<i>Isaria tenuipes</i> 9534
Isoptera: Termitidae	<i>Entomophaga aulicae</i> 1140 1656	Unidentified / Hyphomycetes 9540
<i>Aspergillus</i> sp. 8633 8634	<i>Furia neopyralidarum</i> 1145	United Kingdom
Kenya	Laboratory manipulation	<i>Beauveria bassiana</i> 6557
<i>Ophiocordyceps bisporus</i> 3888	<i>Metarhizium anisopliae</i> sensu lato 1094	USA, Alaska
<i>Drepanotermes perniger</i>	Mexico	<i>Sporothrix insectorum</i> 7924
Australia	<i>Beauveria bassiana</i> 2857	USA, Hawaii
<i>Metarhizium anisopliae</i> sensu lato 8062	<i>Isaria farinosa</i> 2822	<i>Beauveria bassiana</i> 8709
<i>Macrotermes</i> sp.	<i>Polycephalomyces ramosus</i> 7095	USA, New York
Kenya	Nepal	<i>Cordyceps militaris</i> 4081 4082 4083 4084 4085 4086 4087 4088 4089 4838 4839 4840 4841 4842 5002 5003 5004 5005 5006 5007 5008 5009 5010 5011 5012 5013 5014 5015 5016 5017 5018 5019 5020 5021 5022 5023 5024 5025 5026 5027 5028 5029 5030 5031 5032 5033 5034 5035 5036 5037 5038 5039 5040 5041 5042 5043 5044 5045 5046 5047 5048 5049 5050 5051 5052 5053 5054 5055 5056 5057 5058 5059 5060 5061 5062
<i>Ophiocordyceps bisporus</i> 4518 4843	<i>Beauveria bassiana</i> 7274	<i>Isaria farinosa</i> 3152 4090
<i>Microcerotermes</i> sp.	PR China	<i>Isaria tenuipes</i> 5134 5135
Australia	<i>Beauveria amorphia</i> 6227	USA, Oregon
<i>Metarhizium anisopliae</i> sensu lato 8590 8591	<i>Beauveria bassiana</i> 11708 11716 11717 11719	<i>Isaria farinosa</i> 5996
<i>Nasutitermes acajutlae</i>	<i>Beauveria</i> sp. 9596 11709	USA, Pennsylvania
USA, Virgin Islands	<i>Cordyceps militaris</i> 6248 11703 11704	<i>Cordyceps militaris</i> 8012
<i>Aspergillus niger</i> 7797 7798 7799	<i>Cordyceps pruinosa</i> 11723 11724	USA, Texas
<i>Myrothecium</i> sp. 7804 7800 7801 7803	<i>Isaria cateniannulata</i> 6240 9601 11722	<i>Isaria fumosorosea</i> 5251 5252
	<i>Isaria cicadae</i> 11726	USA, Vermont
	<i>Isaria farinosa</i> 6245 11721	<i>Isaria farinosa</i> 11829
	<i>Isaria tenuipes</i> 6249 11705 11706 11707	
	<i>Metarhizium guizhouense</i> 6238	
	<i>Simplicillium lamellicola</i> (?) 11725	
	<i>Sporothrix insectorum</i> 6286	
	Republic of Korea	
	<i>Beauveria bassiana</i> 11715	
	<i>Cordyceps isarioides</i> 5688	

- Lecanicillium muscarium* 11802
Uzbekistan
Beauveria bassiana 6109
Galactica sp.
Brazil, Distrito Federal
Metarhizium pingshaense 552
- Lepidoptera: Arctiidae**
Hyphantria cunea
Italy
Beauveria bassiana 1564
Beauveria pseudobassiana 1565
Isaria fumosorosea 1568 1569 1577
1578 1579
Republic of Georgia
Isaria fumosorosea 10224
Turkey
Beauveria bassiana 12165
Beauveria sp. 12168 12169
Isaria cateniannulata(?) 12166
Isaria fumosorosea 12172 12173
12174 12175 12177
Unidentified / Hyphomycetes
12163 12164 12167 12170 12171
12176 12178 12179 12180 12181
Lophocampa caryae
USA, Vermont
Pandora sp. 11764
Pyrriarthra isabella
USA, New York
Isaria farinosa 3017
Spilosoma niveum
Japan
Entomophaga aulicae 2372 2373
2374
- Lepidoptera: Bombycidae**
Bombyx mori
Japan
Aspergillus flavus 1003 1010
Beauveria bassiana 302 303 304 305
1007
Beauveria sp. 1040
Isaria fumosorosea 989 1005
Metarhizium brunneum 988
Metarhizium majus 1015
Purpureocillium lilacinum 986
Verticillium lecanii 991
Philippines
Beauveria bassiana 2737
PR China
Beauveria bassiana 718
Isaria fumosorosea 720
Metarhizium guizhouense 703
Nomuraea rileyi 711
South Africa
Beauveria bassiana 5704
- Lepidoptera: Brassolidae**
Brassolis sp.
Colombia
Evlachovaea sp. 2297
Brassolis sophorea
Brazil, Pará
Beauveria bassiana 2619
Evlachovaea sp. 2613
- Brazil, São Paulo
Beauveria bassiana 6514
Brazil, Sergipe
Evlachovaea sp. 2620
- Lepidoptera: Castniidae**
Castnia licus
Brazil, Pernambuco
Beauveria brongniartii 1829
- Lepidoptera: Cossidae**
PR China
Cordyceps bassiana 7047
Hirsutella liboensis 9603
Cossula cossus
Italy
Beauveria bassiana 1103 1104 1558
Lecanicillium muscarium 973 1102
Prionoxystus robiniae
USA, Kentucky
Isaria farinosa 2269
Zeuzera pyrina
Italy
Beauveria bassiana 1105
- Lepidoptera: Crambidae**
New Zealand
Metarhizium anisopliae sensu lato
3064
Metarhizium flavoviride var. *novazealandicum* 8214
- Lepidoptera: Danaidae**
Danaus plexippus
Beauveria bassiana 7093
Australia
Beauveria bassiana 8891
- Lepidoptera: Eupterotidae**
South Africa
Beauveria bassiana 6984
- Lepidoptera: Gelechiidae**
Tuta absoluta
Argentina
Zoophthora radicans 6917
- Lepidoptera: Gelechiidae**
Anacamptis humilis
Uruguay
Zoophthora radicans 4783
Phthorimaea operculella
Australia
Aspergillus flavus 4126
Aspergillus tamarii 4127
Scrobipalpuloides absoluta
Brazil, Rio Grande do Sul
Fusarium sp. 5219
Sitotroga cerealella
South Africa
Evlachovaea sp. 5703
- Lepidoptera: Geometridae**
Japan
Cordyceps militaris 2416
Alosophila pometaria
Canada, Alberta
Isaria farinosa 5368
- Enypia griseata*
Canada, British Columbia
Entomophaga aulicae 2000
Hibernia defoliaria
Poland
Unidentified sp. 1415 1417
Isturgia exerrariae
South Africa
Beauveria bassiana 6973
Beauveria pseudobassiana 6972
Lambdina athasaria
USA, Vermont
Isaria farinosa 3537 3538
Unidentified sp. 3567 3568 3569
Lambdina fiscellaria fiscellaria
Canada, Newfoundland
Entomophaga aulicae 1991 2900
Zoophthora radicans 72
Lambdina fiscellaria lugubrosa
Canada, British Columbia
Entomophaga aulicae 1990
Rheumaptera hastata
Canada, Ontario
Entomophaga aulicae 2899
- Lepidoptera: Hepialidae**
PR China
Hirsutella sinensis 6282 6284 6285
Oncopera sp.
Australia
Beauveria pseudobassiana 4273
Oncopera alboguttata
Australia
Beauveria bassiana 4589 4607 8493
Metarhizium anisopliae sensu lato
7820 7821 7822 7823
Penicillium sp. 4263
Oncopera intricata
Australia
Beauveria bassiana 4258 4672
Microhilum oncoperae 4358 4769
4770 4771
Oncopera intrucata
Australia
Metarhizium anisopliae sensu lato
4234
Orycanus sp.
New Zealand
Metarhizium brunneum 1187
Wiseana sp.
New Zealand
Metarhizium anisopliae sensu lato
4681
- Lepidoptera: Hyblaeidae**
Hyblaea puer
India
Beauveria bassiana 2597
Fusarium sp. 2595
- Lepidoptera: Incurvariidae**
Paraclemensia sp.
USA
Beauveria bassiana 11614 11615
11616 11617
Paraclemensia acericaulis
Unidentified sp. 3794 3796

- Location not specified
Unidentified sp. 3797
- Paraclemensia acerifoliella*
USA, Vermont
Beauveria bassiana 5492
- Lepidoptera: Lasiocampidae**
Russian Federation
Isaria farinosa 9515
Dendrolimus spectabilis
Japan
Basidiobolus ranarum 1139
Beauveria bassiana 1677
Entomophaga aulicae 1655
Gastropacha orientalis
Japan
Paecilomyces canadensis 990
Malacosoma americanum
Entomophaga maimaiga 6170 6173
6174
USA, Massachusetts
Beauveria bassiana 1
Isaria farinosa 3
Malacosoma dissτρια
Entomophaga maimaiga 4545
Canada, Ontario
Furia gastropachae 5869 5870 5871
5872
USA, Maryland
Furia gastropachae 5545 5546
USA, New York
5351 7370
Entomophaga aulicae 3602
Furia gastropachae 5541 5542 5543
5544 5547
Metarhizium anisopliae sensu lato
6167
USA, Vermont
Furia gastropachae 8926
- Lepidoptera: Limacodidae**
Iragoides fasciata
PR China
Marianmaea pruinosa 5413
Natada michonta
Brazil, Pará
Paecilomyces sp. 2616 2617 2618
- Lepidoptera: Lycaenidae: Polyommatainae**
Orachrysops ariadne
South Africa
Cladosporium sp. 6226
Orachrysops subravus
South Africa
Fusarium sp. 6102
- Lepidoptera: Lymantriidae**
Euproctis chrysoorrhoea
USA, Maine
Entomophaga aulicae 7140 7141
7142 7143 7144 7145
Leucoma salicis
Location not specified
Isaria farinosa 38
Lymantria sp.
Philippines
Nomuraea rileyi 481 482 483
- Lymantria dispar*
Canada, Ontario
Beauveria bassiana 2267
Entomophaga maimaiga 3913
Commonwealth of Independent States
Beauveria bassiana 155
France
Beauveria bassiana 6205
Isaria fumosorosea 6206
Scopulariopsis sp. 2255
Unidentified / Hyphomycetes 4899
4900
Japan
Entomophaga maimaiga 1390 1391
1392 1400 1658 2370 2371 6171
6172 6212 6224 6253 6254 6255
6256 6257 6258 6264 6265 6266
6267 6268 7104 7105 7112 7113
7114 7116 7185 7186 7187 7188
7189
PR China
Entomophaga maimaiga 7139 7183
7184
Rumania
Beauveria pseudobassiana 299
Russian Federation
Entomophaga maimaiga 7127
USA, Connecticut
Entomophaga maimaiga 2775
USA, Delaware
Beauveria bassiana 2570 2571 2572
2573
USA, Maryland
Aspergillus ochraceus 2833
Beauveria bassiana 2831 3404 3530
Beauveria pseudobassiana 3529
Entomophaga maimaiga 5377 5378
5379 5380 5381 5382 5383 5384
5385 5386 5387 5388 5389 5390
Fusarium polyphialidicum 3696
Fusarium sp. 3532
Isaria farinosa 2131 2835 3492 3498
3507 3524 3526 3666
Penicillium sp. 2834 2836
USA, Massachusetts
Entomophaga maimaiga 2779 5564
6004 6005 6269 6270 6271 6272
7123 7124 7125 7126 7137 7138
Fusarium polyphialidicum 3694
USA, Michigan
Entomophaga maimaiga 6523 6524
6626 6627 6628 6629 6630 6652
6653 6654 6655 6656 6657 6663
6664 6665 6666 6667 6668 6724
6725 6726 6727 6728 6729 7101
7102 7103 7106 7107 7108 7109
7110 7111 7115
USA, New Hampshire
Entomophaga maimaiga 2780
USA, New York
Entomophaga maimaiga 3052 3053
3828 3829 3830 3831 3832 3833
3834 3835 4508 4509 4510 4549
4550 4551 5391 5392 5393 5394
5395 5396 5397 5398 5399 5400
5401 6625
- Fusarium polyphialidicum* 3692
3693
Isaria farinosa 648 697 2564 3595
3596 3597 3598 3599
Lecanicillium muscarium 3600 3601
USA, Oregon
Acremonium berkeleyanum 2067
Acrodontium crateriforme 2070
Beauveria bassiana 2054
Fusarium avenaceum 2060
Fusarium merismoides 2059
Humicola sp. 2069
Isaria farinosa 2057
Lecanicillium muscarium 2065 2066
Mortierella histoplasmatoides 2063
Mortierella hyalina 2061
Penicillium thomii 2056
Phialophora malorum 2072
Phoma cava 2071
Pochonia suchlasporia var. *catenata*
2064
Sterile mycelium 2073
Trichothecium roseum 2055
USA, Pennsylvania
Beauveria pseudobassiana 3528
Entomophaga maimaiga 7120 7121
7122 7131 7132 7133 7134 7135
7136 7190 7352 7353
Fusarium polyphialidicum 3916
Isaria farinosa 20 3221 3491 3499
3500 3506 3523
USA, Virginia
Beauveria bassiana 3527
Beauveria pseudobassiana 3405
Entomophaga maimaiga 4504 4505
4506 4507 4552 4553 4554 4555
5568 5570 6169 6218
Fusarium polyphialidicum 3695
Fusarium torulosum 3483
Isaria farinosa 3490 3493 3494 3496
3497 3501 3502 3503 3504 3505
3508 3664 3665
USA, West Virginia
Entomophaga maimaiga 6168
Isaria farinosa 3495 3517 3518 3519
3520 3521 3522 3525 3533
Lecanicillium muscarium 3531
- Lymantria dissoluta*
PR China
Beauveria bassiana 6233
Isaria cateniannulata 6242
Orgyia vetusta
USA, California
Entomophaga aulicae 4004 4005
4006 4007 4008
- Lepidoptera: Lyonetiidae**
Leucoptera coffeella
Nicaragua
Beauveria bassiana 6801 6802 6803
6804 6805 6806 6807 6808 6809
Leucoptera scitella
Italy
Beauveria bassiana 1115 1117
Metarhizium brunneum 1116

Fungus by Host and Location

Lepidoptera: Microlepidoptea Lepidoptera: Noctuidae

Lepidoptera: Microlepidoptea	USA, Florida	<i>Plusiinae</i> sp.
Poland	<i>Nomuraea rileyi</i> 6868 6869 6870	Brazil, Paraná
<i>Hirsutella subulata</i> 2227	6872 6873 6876	<i>Nomuraea rileyi</i> 6781 6785 6879
Lepidoptera: Noctuidae	<i>Autographa gamma</i>	<i>Prodenia litura</i>
Brazil	France	Japan
<i>Isaria tenuipes</i> 4096	<i>Beauveria bassiana</i> 2253 2254	<i>Nomuraea rileyi</i> 1014
Brazil, Mato Grosso	Japan	<i>Pseudaletia</i> sp.
<i>Isaria tenuipes</i> 3939	<i>Entomophaga aulicae</i> 2363 2365	Canada, Ontario
Brazil, Paraná	<i>Helicoverpa</i> sp.	<i>Entomophaga aulicae</i> 1999
<i>Isaria tenuipes</i> 3938	Australia	<i>Pseudoplusia includens</i>
Brazil, São Paulo	<i>Beauveria bassiana</i> 8066	USA, Alabama
<i>Nomuraea rileyi</i> 6875	<i>Helicoverpa armigera</i>	<i>Erynia</i> sp. 2027
Canada	India	USA, Florida
<i>Metarhizium guizhouense</i> 2140	<i>Nomuraea</i> sp. 2413	<i>Nomuraea rileyi</i> 6866 6882
Denmark	PR China	<i>Pseudoplusia ni</i>
<i>Tolypocladium cylindrosporum</i>	<i>Nomuraea rileyi</i> 6239	Brazil
2777 2778	Spain	<i>Acremonium roseum</i> 1964
Hungary	<i>Beauveria bassiana</i> 1149 1166	<i>Rachiplusia nu</i>
<i>Beauveria bassiana</i> 1627 1628 1629	<i>Helicoverpa virescens</i>	Argentina
PR China	France	<i>Aspergillus</i> sp. 5205
<i>Beauveria brongniartii</i> 9599	<i>Beauveria bassiana</i> 1314 1315 1316	Brazil, Rio Grande do Sul
Russian Federation	Spain	<i>Nomuraea rileyi</i> 2206
<i>Nomuraea rileyi</i> 9489 9490	<i>Beauveria bassiana</i> 1788	<i>Raghuva albipunctella</i>
<i>Nomuraea</i> sp. 7851	<i>Helicoverpa zea</i>	Senegal
Switzerland	USA	<i>Fusarium nygamai</i> 2316
<i>Furia virescens</i> 470 1129	<i>Metarhizium anisopliae</i> sensu lato	<i>Rivula atimeta</i>
USA, Mississippi	11637	Philippines
<i>Nomuraea rileyi</i> 135	USA, Florida	<i>Isaria farinosa</i> 2344
USA, New York	<i>Metarhizium anisopliae</i> sensu	<i>Nomuraea rileyi</i> 1756 1757 1758
<i>Entomophaga aulicae</i> 3016	stricto 1080	1759 1760 2395
? <i>Heliothis</i> sp.	<i>Mamestra brassicae</i>	<i>Sesamia calamistis</i>
USA, Georgia	France	Benin
<i>Entomophaga aulicae</i> 251	<i>Isaria javanica</i> 3981	<i>Beauveria bassiana</i> 5649 5654
<i>Aedia leucomelas</i>	Japan	<i>Sesamia cretica</i>
Japan	<i>Entomophaga aulicae</i> 1657 1751	Italy
<i>Entomophaga aulicae</i> 198 998	2362 2367 2368 2369	<i>Beauveria bassiana</i> 1118
<i>Agrotis segetum</i>	<i>Pandora delphacis</i> 1265	<i>Sesamia inferens</i>
Denmark	<i>Mocis</i> sp.	Indonesia, Jawa Barat, Java
<i>Isaria farinosa</i> 4010	Colombia	<i>Zoophthora radicans</i> 2411
<i>Alabama argillacea</i>	<i>Beauveria</i> sp. 590	Japan
Argentina	<i>Metarhizium anisopliae</i> sensu	<i>Paecilomyces</i> sp. 1008
<i>Nomuraea rileyi</i> 7148	stricto 587	<i>Simyra henrici</i>
<i>Anticarsia gemmatalis</i>	<i>Mocis frugalis</i>	USA, Florida
Argentina	Philippines	<i>Beauveria bassiana</i> 5988
<i>Nomuraea rileyi</i> 2013 2465 2466	<i>Nomuraea rileyi</i> 1762	<i>Spodoptera</i> sp.
5208 5209 5210 5211 5212 6877	<i>Mocis latipes</i>	Australia
7052 7053 7054 7055 7056 7149	Brazil, Goiás	<i>Nomuraea rileyi</i> 323 358 380
7150 7151 7479 7480 7481 7482	<i>Conidiobolus coronatus</i> 1884	Brazil, Goiás
7484 7778 7779 7780	Mexico	<i>Nomuraea rileyi</i> 935
Brazil, Pará	<i>Isaria tenuipes</i> 6889	India
<i>Nomuraea rileyi</i> 1950	<i>Naranga</i> sp.	<i>Nomuraea rileyi</i> 6867
Brazil, Paraná	Indonesia, Jawa Tengah, Java	Location not specified
<i>Nomuraea rileyi</i> 3940 6732 6734	<i>Nomuraea rileyi</i> 2345	<i>Isaria farinosa</i> 2546
6736 6737 6738 6739 6740 6741	<i>Panolis flammea</i>	Malaysia
6742 6743 6744 6745 6746 6747	United Kingdom	<i>Metarhizium anisopliae</i> var. <i>majus</i>
6748 6749 6764 6765 6766 6767	<i>Batkoa</i> sp. 6179	8736
6775 6776 6777 6778 6779 6780	<i>Beauveria bassiana</i> 6100 6101 6177	<i>Metarhizium anisopliae</i> sensu lato
6782 6783 6784 6786 6787 6874	6178	8735
6878	<i>Plathypena scabra</i>	Philippines
Brazil, Rio Grande do Sul	USA, Florida	<i>Fusarium</i> sp. 2736
<i>Nomuraea rileyi</i> 2201 2202 2203	<i>Nomuraea rileyi</i> 6871 6881	<i>Isaria fumosorosea</i> 2734
2204 2205 2207	USA, Missouri	<i>Metarhizium pingshaense</i> 2735
Mexico	<i>Nomuraea rileyi</i> 762	<i>Spodoptera exigua</i>
<i>Metarhizium brunneum</i> 3295	<i>Plusia</i> sp.	Thailand
<i>Nomuraea rileyi</i> 2492	Japan	<i>Nomuraea rileyi</i> 539
	<i>Nomuraea rileyi</i> 1047	

Lepidoptera: Noctuidae**Lepidoptera: Pyralidae****Fungus by Host and Location**

- Spodoptera frugiperda*
Brazil
Nomuraea rileyi 4094
Brazil, Bahia
Nomuraea rileyi 1972
Brazil, Paraná
Evlachovaea sp. 959
Nomuraea rileyi 6735 6768 6769
6770 6771 6772 6773 6774
Mexico
Beauveria bassiana 3288
Beauveria sp. 3289 3300
Isaria tenuipes 2488 2489 2490 2491
Metarhizium anisopliae sensu lato
3293
Metarhizium brunneum 3294
Nomuraea rileyi 3301 11939 11941
11942 11943
Spodoptera littoralis
France
Beauveria bassiana 1512 1513 3286
Spodoptera litura
India
Beauveria bassiana 6646 6647 6648
6650
Fusarium sp. 6649
Metarhizium anisopliae sensu
stricto 10473
Nomuraea rileyi 6645
Trichoplusia ni
Mexico
Zoophthora radicans 6003
- Lepidoptera: Noctuidae: Plusiinae**
Brazil, Paraná
Beauveria bassiana 3937
- Lepidoptera: Notodontidae**
Ellida caniplaga
Canada, Ontario
Entomophaga aulicae 2903
Heterocampa sp.
Canada, Ontario
Entomophaga aulicae 2902
Heterocampa biundata
Canada, Ontario
Entomophaga aulicae 2905
Heterocampa guttivitta
Canada, Ontario
Entomophaga aulicae 2904
USA, New York
Entomophaga aulicae 3039 3212
USA, Vermont
Entomophaga aulicae 2843
Quadicalcarifera punctatella
Japan
Isaria farinosa 1042
- Lepidoptera: Nymphalidae**
United Kingdom
Isaria farinosa 981
Agraulis vanillae
Colombia
Isaria tenuipes 6788
Chlosyne lacinia saundersii
Brazil, Paraná
Isaria farinosa 1065
- Metarhizium anisopliae* sensu lato
1059
Metarhizium robertsii 1057
Purpureocillium lilacinum 1058
Opsiphanes cassinae
Colombia
Purpureocillium lilacinum 5805
- Lepidoptera: Oecophoridae**
Anteotricha sp.
Brazil, Pará
Evlachovaea sp. 2614 2615
- Lepidoptera: Olethreutidae**
Carpocapsa pomonella
Austria
Metarhizium brunneum 1095
Yugoslavia, Serbia
Beauveria bassiana 503
- Lepidoptera: Phycitinae**
Emmalocera depressella
India
Beauveria bassiana 2417
Fusarium sp. 2418
- Lepidoptera: Pieridae**
Colias erate poliographus
Japan
Entomophaga aulicae 2366
Pieris brassicae
Poland
Zoophthora radicans 1341 1342
1343 1344 1345 1346
Pieris rapae
USA, New York
Furia pieris 781
- Lepidoptera: Plutellidae**
Plutella sp.
Australia
Pandora blunckii 3075
Plutella maculipennis
Germany
Pandora blunckii 217
Plutella xylostella
Australia
Isaria fumosorosea 6799 6800
Benin
Fusarium sp. 5881
Purpureocillium lilacinum 6183
6197
Japan
Erynia sp. 983
Pandora blunckii 1000
Zoophthora radicans 1048
Malaysia
Zoophthora radicans 1100
Mexico
Pandora blunckii 6293 6294 6295
6296 6297 6298 6299 6300 6301
6302 6304 6305 6306 6307 6308
6309 6310 6311 6312 6316
Zoophthora radicans 6303 6313
6314 6315
Philippines
Aspergillus flavus 2818
Aspergillus sp. 2765 2817 2820
- Beauveria bassiana* 2727 2728 2729
Beniowskia sp. 2751
Conidiobolus coronatus 2730
Conidiobolus firmipilleus 2731
Conidiobolus sp. 2771 2772 2815
2816 3208 2776
Geotrichum sp. 2752
Isaria fumosorosea 2749
Pandora blunckii 2824 3200 3202
Pandora sp. 3201 3203 2821
Zoophthora radicans 2732 2893
3204 3205 3206
Romania
Isaria fumosorosea 5874
Metarhizium robertsii 5873
USA, New York
Beauveria bassiana 4525 4526 4527
4528 4529 4530 4531 4532 4533
4534 4535 4536 4537 4538 4539
4540 4543 6150 6151 6152 6153
Metarhizium anisopliae sensu lato
4522
- Lepidoptera: Pyralidae**
Russian Federation
Sporothrix insectorum 9501
Acigona sp.
Benin
Beauveria bassiana 5647 5648
Chilo infuscatellus
India
Beauveria sp. 1886
Chilo plejadellus
Australia
Beauveria bassiana 326
Chilo sacchariphagus
Mozambique
Fusarium sp. 7045 7046
Chilo sacchariphagus indicus
India
Fusarium subglutinans 2142
Cnaphalocrocis medinalis
Indonesia, Jawa Barat, Java
Zoophthora radicans 2410
Philippines
Beauveria bassiana 2041
Nomuraea rileyi 1761 2174
Unidentified sp. 1703
Zoophthora radicans 1699
Coniesta sp.
Benin
Beauveria bassiana 5646
Corcyra cephalonica
Philippines
Mixed Culture sp. 2738
Diaphania hyalinata
Mexico
Isaria fumosorosea 3302
Diatraea saccharalis
Argentina
Beauveria bassiana 5500 5502
Brazil
Beauveria bassiana 1832 1834 3858
Brazil, Pernambuco
Beauveria bassiana 1484 2629 3020
Brazil, São Paulo
Beauveria brongniartii 1830

Fungus by Host and Location

Lepidoptera: Pyralidae

Lepidoptera: Sesiidae

Mexico	<i>Beauveria</i> sp. 7562 7563 7564 7565 7566 7567 5560	USA, North Carolina
<i>Cylindrocarpon</i> sp. 8043 8044	<i>Isaria farinosa</i> 7574 7575 7576 11656	<i>Isaria farinosa</i> 8770
<i>Metarhizium anisopliae</i> sensu lato 3290 3291 3292	<i>Isaria fumosorosea</i> 11657 11658 11659	<i>Metarhizium anisopliae</i> sensu lato 8769
Unidentified sp. 3298 3299 3804	<i>Lecanicillium muscarium</i> 7568	<i>Scopulariopsis brevicaulis</i> 9943
<i>Dioryctria sylvestrella</i>	<i>Metarhizium anisopliae</i> sensu lato 5369 5513 5514 5515 5516 5517	USA, Oregon
Japan	5518 5519 5521 5554 5555 5556 6475 7014 7015 7016 7017 7018	<i>Beauveria bassiana</i> 7356 7357 7358 7359 7362 7364 7365
<i>Beauveria bassiana</i> 1001	7019 7020 7021 7022 7023 7024 7025 7026 7569 7570 7571 7572 7573 11661	<i>Metarhizium</i> sp. 4998 5000 5076 5077
<i>Hirsutella satumaensis</i> 996	<i>Metarhizium brunneum</i> 6474	Unidentified / Hyphomycetes 5199
<i>Dioryctria zimmermani</i>	<i>Metarhizium robertsii</i> 6476	USA, Washington
USA, Michigan	Portugal	<i>Beauveria</i> sp. 5078 4997 4999 5001
<i>Hirsutella nodulosa</i> 5473	<i>Metarhizium anisopliae</i> sensu lato 4904 4905 4906	<i>Gymnancylia canella</i>
<i>Elasmopalpus lignosellus</i>	<i>Metarhizium robertsii</i> 4903	France
USA, Texas	Switzerland	<i>Beauveria bassiana</i> 6796
<i>Trichoderma</i> sp. 5730	<i>Isaria farinosa</i> 7531	<i>Ostrinia nubilalis</i>
<i>Eldana saccharina</i>	Turkey	France
Benin	<i>Beauveria bassiana</i> 8339 8340 8343 8349 8354 8355 8431 8444 8661	<i>Isaria farinosa</i> 3983
<i>Beauveria bassiana</i> 5645 5653 5655	8663 8664 8666 8667 8670 8672 8673 8674	<i>Metarhizium anisopliae</i> sensu stricto 1489
<i>Beauveria bassiana</i> (?) 5644	<i>Beauveria</i> sp. 8675 8439 8441 8442 8449	Italy
<i>Eoreuma loftini</i>	<i>Isaria fumosorosea</i> 8333 8337 8345 8348 8448	<i>Beauveria bassiana</i> 1121
USA, Texas	<i>Metarhizium anisopliae</i> sensu lato 8334 8335 8336 8338 8341 8342	PR China
<i>Aspergillus parasiticus</i> 5470	8344 8346 8347 8350 8351 8352 8353 8432 8433 8434 8435 8436	<i>Beauveria bassiana</i> 501 502 533 652
<i>Metarhizium anisopliae</i> sensu lato 5469	8437 8438 8440 8443 8445 8446 8447 8450 8451 8452 8453 8454 8660 8662 8665 8669	USA, New York
<i>Metarhizium anisopliae</i> sensu stricto 5471	<i>Metarhizium brunneum</i> 8671	<i>Beauveria bassiana</i> 1038
<i>Galleria mellonella</i>	United Kingdom	<i>Lecanicillium muscarium</i> 900
<i>Beauveria bassiana</i> 6894	<i>Beauveria bassiana</i> 6556	USA, Pennsylvania
<i>Beauveria bassiana</i> (?) 6892	<i>Metarhizium anisopliae</i> sensu lato 6558	<i>Beauveria bassiana</i> 2976
<i>Isaria fumosorosea</i> 6893	USA	<i>Pyrausta machaeralis</i>
Australia	<i>Beauveria bassiana</i> 11613	India
<i>Metarhizium anisopliae</i> sensu lato 8560	USA, Alaska	<i>Metarhizium globosum</i> 2596
Canada, Alberta	<i>Beauveria bassiana</i> 7955 7956 7957 7958 7959 7963 7964 7965 7966 7968	<i>Scirpophaga excerptalis</i>
<i>Metarhizium anisopliae</i> sensu lato 8212	<i>Beauveria</i> sp. 7960	India
Canada, Ontario	<i>Isaria farinosa</i> 7961 7962	<i>Fusarium subglutinans</i> 2141
<i>Metarhizium anisopliae</i> sensu lato 8680 8681 8682 8683 8684 8685 8686 8687 8688 8689 8690 8691 8692	<i>Metarhizium anisopliae</i> sensu lato 7967	<i>Terastia meticulosalis</i>
Denmark	USA, Arizona	Brazil
<i>Beauveria bassiana</i> 8032 8033 8035	<i>Metarhizium anisopliae</i> sensu lato 7847	<i>Beauveria bassiana</i> 1836
<i>Beauveria brongniartii</i> 8034	USA, California	Lepidoptera: Riordinidae
Greenland	<i>Beauveria bassiana</i> 6147 6148 7060	<i>Euselasia</i> sp.
<i>Beauveria bassiana</i> 8039 8040	USA, Maine	Brazil, Rio Grande do Sul
Iran	<i>Isaria fumosorosea</i> 9380	Unidentified sp. 3467 3468
<i>Beauveria bassiana</i> 6904 6905	USA, Montana	Lepidoptera: Saturniidae
Italy	<i>Beauveria bassiana</i> 6931 6932 6933 6934 6935 6936 6937 6938 6939 6940 6941 6943 6949 6950 6951 6952 6953	Costa Rica
<i>Beauveria bassiana</i> 1113 1114		<i>Beauveria bassiana</i> 843
Mexico		<i>Dryocampa rubicunda</i>
<i>Metarhizium anisopliae</i> sensu lato 7612 7613 7614 7615		Canada, Ontario
Nicaragua		<i>Entomophaga aulicae</i> 2897
<i>Purpureocillium lilacinum</i> 8311 8312		<i>Opodiphthera eucalypti</i>
Norway		Australia
<i>Aspergillus flavus</i> (?) 5503 5504 5505 5506 5507 5508 5509		<i>Beauveria bassiana</i> 8843
<i>Beauveria bassiana</i> 5510 7552 7553 7554		<i>Schirius</i> sp.
<i>Beauveria brongniartii</i> 7555 7556 7557 7558 7559 7560 7561		Brazil, Paraná
<i>Beauveria pseudobassiana</i> 5370 5557		<i>Beauveria bassiana</i> 2962

- Monopetalotaxis doleriformis*
South Africa
Beauveria bassiana 6974 6975 6976
6977 6981
Beauveria pseudobassiana 6971
- Lepidoptera: Stenomatinae**
Stenoma decora
Brazil, Bahia
Beauveria bassiana 1479
- Lepidoptera: Thaumetopoeidae**
Thaumetopoea pityocampa
Turkey
Beauveria bassiana 8356
- Lepidoptera: Tineidae: Archolophinae**
USA, Tennessee
Cordyceps cardinalis 7192 7193
- Lepidoptera: Tortricidae**
USA, Massachusetts
Beauveria bassiana 5169
Adoxophyes orana
Japan
Lecanicillium muscarium 994
Choristoneura sp.
Canada, British Columbia
Beauveria bassiana 1850
Choristoneura fumiferana
Canada, New Brunswick
Tolypocladium inflatum 3321
Canada, Newfoundland
Entomophaga aulicae 2896 2898
Canada, Ontario
Entomophaga aulicae 1992 1993
1994 1995 1997 1998 2901
Zoophthora radicans 407
USA, Maine
Conidiobolus sp. 92 93 94 147 148
Entomophaga aulicae 51 164 165
166 167 168 172
Hirsutella longicolla var. *cornuta*
177 178
Zoophthora radicans 21 44 45 50 52
88 141 142 143 144 145 146 163
221 223 224 225 226 227 228 229
230 231 232 233 234 235
Cydia pomonella
Beauveria bassiana 7969
Australia
Lecanicillium muscarium(?) 1032
Bulgaria
Beauveria bassiana 6187 6194 6195
6208 6209
Beauveria pseudobassiana 6181
Isaria farinosa 6207
Isaria fumosorosea 6192
Canada, Québec
Lecanicillium muscarium 6591
France
Beauveria bassiana 151 3972 3973
3974 3975 3977 3978 3979 5064
5066 5067 5229 5230 5231 5233
5234 5235 5886 5887 5888 6182
6184 6186 6189 6191 6196 6201
Beauveria pseudobassiana 6185
- Fusarium* sp. 3976
Isaria farinosa 5883 5884 5885 6200
6202
Isaria fumosorosea 6203 6204
Paecilomyces sp. 6193 6198
- Italy
Beauveria bassiana 1122
Lecanicillium lecanii(?) 1109
- Portugal
Beauveria pseudobassiana 3220
- Republic of Georgia
Beauveria sp. 6533 6534 6535 6536
6537
- United Kingdom
Isaria farinosa 975
- Eana argentana*
Japan
Erynia sp. 1143
- Epinotia aporema*
Argentina
Zoophthora radicans 5814
- Uruguay
Conidiobolus coronatus 4797
Zoophthora radicans 4781 4782
4784 4785
- Epiphyas postvittana*
New Zealand
Paecilomyces sp. 309
- USA, California
Fusarium sp. 10470
- Hedya nubiferana*
France
Beauveria bassiana 6199
- Laspeyresia medicagigicus*
France
Isaria farinosa 1225
- Lobesia botrana*
Italy
Beauveria bassiana 1107 1110
Isaria farinosa 1111
Metarhizium brunneum 1112
- Merophyas divulsana*
Australia
Zoophthora radicans 1082
- Ptycholoma aeriferana*
Japan
Zoophthora radicans 1674 1675
- Rhyacionia frustrana*
USA, Georgia
Beauveria bassiana 5573
- Tortrix viridana*
France
Zoophthora radicans 68
- Russian Federation
Lecanicillium sp. 9458
- Lepidoptera: Yponomeutidae**
Yponomeuta sp.
France
Unidentified sp. 3998
- Yponomeutidae* sp.
France
Beauveria bassiana 3966 3967 3968
3969 3970
Beauveria pseudobassiana 3965
- Neuroptera: Chrysopidae**
Chrysopa sp.
Commonwealth of Independent States
Beauveria bassiana 153
- Odonata: Coenagrionidae**
PR China
Beauveria bassiana 11711
- Odonata: suborder Anisoptera**
USA, New York
Beauveria bassiana 4688
- Orthoptera**
Brazil, Goiás
Metarhizium anisopliae sensu lato
728
- Mali
Aspergillus niger 3143
- PR China
Beauveria bassiana 6231 9598
Metarhizium anisopliae sensu lato
6237
- USA
Beauveria bassiana 3622
- USA, Hawaii
Beauveria bassiana 8704
- Orthoptera: ?Gryllacrididae**
USA, Tennessee
Beauveria amorpha 6376 6577
- Orthoptera: Acrididae**
Australia
Beauveria australis 4580 4622
Beauveria bassiana 356 357 8578
8579
Metarhizium anisopliae sensu lato
8608 8609
- Brazil, Bahia
Beauveria bassiana 1959
- Brazil, Paraná
Beauveria bassiana 1053
- Ecuador
Metarhizium flavoviride var. *minus*
2023
- France
Beauveria bassiana 1326
- Japan
Entomophaga asiatica 1393
- Madagascar
Beauveria bassiana 5737 5738
Metarhizium anisopliae var.
acridum 5734
Metarhizium acridum 5735
- Mali
Fusarium acuminatum 3218
- PR China
Beauveria bassiana 6230 6232
11713 11720
- Republic of Georgia
Beauveria bassiana 8695
- Republic of Korea
Beauveria bassiana 7235 7250
Cordyceps sp. 4854
- Russian Federation
Beauveria sp. 4197

USA, Hawaii <i>Beauveria bassiana</i> 7030	<i>Locusta migratoria</i> Australia <i>Beauveria bassiana</i> 8846	<i>Melanoplus femurrubrum</i> USA, Montana <i>Beauveria bassiana</i> sensu lato 12366 12373 12374 12398 12399 12400 12401 12405
USA, Montana <i>Beauveria</i> sp. 32 <i>Conidiobolus thromboides</i> 22	<i>Locusta migratoria capito</i> Madagascar <i>Metarhizium acridum</i> 5736	USA, North Dakota <i>Beauveria bassiana</i> 12204 <i>Beauveria bassiana</i> sensu lato 12261 12267 12270 12292 12324 12325 12327 12331 12387 12392 12393
? <i>Melanoplus</i> sp. USA, Montana <i>Sorospora</i> sp. 377	<i>Melanoplus</i> sp. Greece <i>Beauveria bassiana</i> 3866 3897 5273	<i>Melanoplus flavidus</i> USA, Wyoming <i>Entomophaga calopteni</i> 383
<i>Acrotylus</i> sp. Pakistan <i>Metarhizium anisopliae</i> sensu lato 3605	Spain <i>Aspergillus</i> sp. 1152	<i>Melanoplus infantilis</i> USA, North Dakota <i>Beauveria bassiana</i> 12231
<i>Aiolopus longicornis</i> Ethiopia 6449 6445 6446 6447 6450 6451 6452 6455 <i>Simplicillium lamellicola</i> 6448	USA <i>Beauveria bassiana</i> 3620	<i>Melanoplus packardii</i> USA, Arizona <i>Entomophaga calopteni</i> 625
<i>Aulocara elliotti</i> USA, North Dakota <i>Beauveria bassiana</i> 12207 12213 12214 12232 12233 12234 12235 12236 <i>Beauveria bassiana</i> sensu lato 12253 12263 12269 12274 12275 12276 12277 12278 12279 12284 12287 12288 12289 12290 12291 12293 12294 12295 12296 12299 12301 12302 12305 12306 12307 12309 12323 12336	USA, Montana <i>Beauveria bassiana</i> 12209	<i>Melanoplus sanguinipes</i> USA, Montana <i>Beauveria bassiana</i> sensu lato 12360 12361 12362 12363 12364 12365 12368 12371 12375 12377 12402 12407
<i>Aulocara femoratum</i> USA, North Dakota <i>Beauveria bassiana</i> sensu lato 12262 12266 12280 12281	USA, North Dakota <i>Beauveria bassiana</i> 12221 12223 12224 12225 <i>Beauveria bassiana</i> sensu lato 12297	USA, North Dakota <i>Beauveria bassiana</i> 12197 12198 12199 12201 12202 12203 12205 12206 12212 12215 12216 12217 12222 12226 12227 12228 12229 12239
<i>Austracris guttulosa</i> Australia <i>Beauveria bassiana</i> 8751 8752 <i>Metarhizium anisopliae</i> var. <i>acridum</i> 7970 8359 <i>Metarhizium acridum</i> 324 4605	<i>Melanoplus bivittatus</i> Canada, Alberta <i>Beauveria bassiana</i> 8213	<i>Beauveria bassiana</i> sensu lato 12356 12357 12358 12359 12367 12369 12370 12376 12397 12403 12404 <i>Entomophaga calopteni</i> 408
<i>Camnula pellucida</i> USA, Arizona <i>Entomophaga macleodii</i> 496 618 619 620 621 624 628 629 765 767 768 769 773 774 777 778 779	USA, Arizona <i>Entomophaga calopteni</i> 497	USA, North Dakota <i>Beauveria bassiana</i> 12196 12200 <i>Beauveria bassiana</i> sensu lato 12252 12254 12255 12258 12265 12268 12271 12308 12332 12379 12380 12389
USA, North Dakota <i>Beauveria bassiana</i> sensu lato 12285	USA, Montana <i>Beauveria bassiana</i> 12208 12210 12211 <i>Beauveria bassiana</i> sensu lato 12372 12406	USA, South Dakota <i>Entomophaga calopteni</i> 498
USA, Oregon <i>Entomophaga macleodii</i> 4948 4949 4950 4951 4952 4953	USA, Wyoming <i>Entomophaga calopteni</i> 390	USA, Wyoming <i>Entomophaga calopteni</i> 390
<i>Chortoicetes terminifera</i> Australia <i>Metarhizium flavoviride</i> 8758	<i>Melanoplus confusus</i> USA, Montana <i>Beauveria bassiana</i> 12208 12210 12211 <i>Beauveria bassiana</i> sensu lato 12372 12406	<i>Melanoplus confusus</i> USA, Montana <i>Beauveria bassiana</i> 12208 12210 12211 <i>Beauveria bassiana</i> sensu lato 12372 12406
<i>Dissosteira carolina</i> Canada, Ontario <i>Entomophaga macleodii</i> 375 376	USA, North Dakota <i>Beauveria bassiana</i> 12218 <i>Beauveria bassiana</i> sensu lato 12264 12282 12298 12303 12304 12312 12334 12391	USA, North Dakota <i>Beauveria bassiana</i> 12218 <i>Beauveria bassiana</i> sensu lato 12264 12282 12298 12303 12304 12312 12334 12391
USA, New York <i>Entomophaga macleodii</i> 382 499	<i>Melanoplus cuneatus</i> USA, Arizona <i>Entomophaga calopteni</i> 623 626 646	<i>Melanoplus cuneatus</i> USA, Arizona <i>Entomophaga calopteni</i> 623 626 646
<i>Hadrotettix</i> sp. USA, North Dakota <i>Beauveria bassiana</i> sensu lato 12283	<i>Melanoplus dawsonii</i> USA, North Dakota <i>Beauveria bassiana</i> 12220 12230 12237 12238	<i>Melanoplus dawsonii</i> USA, North Dakota <i>Beauveria bassiana</i> 12220 12230 12237 12238
<i>Hieroglyphus banian</i> India <i>Penicillium</i> sp. 5335	<i>Melanoplus differentialis</i> USA, Kansas <i>Entomophaga calopteni</i> 2522	<i>Melanoplus differentialis</i> USA, Kansas <i>Entomophaga calopteni</i> 2522
		<i>Ornithacris cavroisi</i> Niger <i>Metarhizium acridum</i> 3341 7486
		<i>Orya multidentata</i> Pakistan <i>Metarhizium anisopliae</i> sensu lato 3619
		<i>Oryops vitiosa</i> Australia <i>Beauveria bassiana</i> 5987
		<i>Parapodisma</i> sp. Japan <i>Entomophaga asiatica</i> 1659
		<i>Patanga succincta</i> Thailand <i>Metarhizium acridum</i> 3609
		<i>Phaulacridium vittatum</i> Australia <i>Beauveria pseudobassiana</i> 4150 <i>Metarhizium anisopliae</i> sensu lato 7862 <i>Metarhizium pingshaense</i> 7415 7416

- Phoetaliotes nebrascensis*
USA, North Dakota
Beauveria bassiana 12219
- Praxibulus* sp.
Australia
Entomophaga praxibuli 840
- Pseudosphingonotus savignyi*
Oman
Metarhizium guizhouense 3611
Metarhizium pingshaense 3610
- Rhammatocerus schistocercoides*
Brazil, Mato Grosso
Beauveria bassiana 7983
- Schistocerca gregaria*
Ethiopia
Beauveria bassiana 5633 5634 5635
5636 5637 5638 5639 5640 5641
5642 5643
Metarhizium anisopliae sensu lato
5628
Metarhizium anisopliae sensu
stricto 7487
- Laboratory manipulation
Metarhizium anisopliae sensu lato
3127
- Schistocerca piceifrons*
Mexico
Metarhizium acridum 5747 5748
5750
Metarhizium anisopliae sensu lato
5746 5749 5752
Metarhizium brunneum 5751
- Orthoptera: Acrididae: Cyrtacanthacidinae**
Kraussaria angulifera
Benin
Metarhizium anisopliae var.
acridum 3614
Metarhizium acridum 3612
- Senegal
Metarhizium acridum 6421
- Orthoptera: Acridoidea**
PR China
Isaria cateniobliqua 6283
- Orthoptera: Catantopidae**
Calliptamus italicus
Republic of Georgia
Beauveria bassiana 8694 8697
Metarhizium anisopliae sensu lato
8696 8698 8701 8702
Metarhizium sp. 8699
- Orthoptera: Gryllacrididae**
USA, Georgia
Beauveria caledonica 7117
- Orthoptera: Gryllidae**
Indonesia, Sulawesi Selatan, Celebes
Isaria guaensis 2152
- Ornebius kanetataki*
Japan
Metarhizium pingshaense 1009
- Teleogryllus commodus*
Metarhizium anisopliae sensu lato
8841 8842
- Australia
Metarhizium anisopliae sensu lato
435 438 440 441 442 445 7489
7490 8760
Metarhizium pingshaense 436 437
439 443 444 446
- Orthoptera: Gryllotalpidae**
Commonwealth of Independent States
Metarhizium anisopliae sensu
stricto 2786
- Gryllotalpa gryllotalpa*
Turkey
Beauveria bassiana 11688
Clonostachys rosea 11689 11690
11691 11692 11695 11699 11700
11701 11702
Fusarium sp. 11697 11696
Metarhizium anisopliae sensu lato
11694
Myriodontium keratinophilum
11698
Sterile mycelium 11693
- Scapteriscus vicinus*
USA, Florida
Beauveria bassiana 5977
Sorospora wella 1856
- Orthoptera: Pyrgomorphidae**
Zonocerus elegans
Tanzania
Metarhizium acridum 3391
- Zonocerus variegatus*
Benin
Metarhizium anisopliae var.
acridum 3606
- Guinea-Bissau
Metarhizium sp. 3615
- Mali
Metarhizium sp. 3618
- Orthoptera: Tetrigidae**
Tetrix granulata
India
Fusarium sp. 8281 8286
- Orthoptera: Tettigoniidae**
Brazil, Goiás
Conidiobolus sp. 1477
Metarhizium robertsii 727
- Indonesia, Sumatera Utara
Paecilomyces reniformis 577
- Philippines
Paecilomyces reniformis 429 484
- USA, Hawaii
Paecilomyces reniformis 7040 7041
- Anabrus simplex*
Beauveria bassiana 7379 7380
- Orthoptera: Tettigonioidae**
PR China
Beauveria bassiana 6234
- Phasmatodea: Phasmatidae**
PR China
Metarhizium anisopliae sensu lato
6236
- Phthiraptera: Anoplura**
USA, New York
Pochonia chlamydosporia var.
chlamydosporia 11801
- Plecoptera: Capniidae**
Allocapnia granulata
USA, Missouri
Capniomyces stellatus 9258
- Plecoptera: Gripopterygidae**
Argentina
Smittium sp. 9119
- Psocoptera: Ectopsocidae**
Ectopsocus sp.
Argentina
Hirsutella citrififormis 8679
- Psocoptera: Pseudocaeciliidae**
Heterocaecilius sp.
Argentina
Hirsutella citrififormis 8677 8678
- Thysanoptera: Phlaeothripidae**
Haplothrips tritici
Spain
Beauveria bassiana 4200
Unidentified sp. 3990 3991 3992
4201
Liothrips mikaniae
Trinidad
Hirsutella sp. 4513 4514
- Thysanoptera: Thripidae**
Canada
Lecanicillium muscarium 2923
- France
Lecanicillium longisporum 3701
- United Kingdom
Verticillium lecanii 6548
- USA, New Hampshire
Evlachovaea sp. 11788 11790
Hirsutella rhossiliensis 11820
Isaria farinosa 11823
- USA, New York
Beauveria bassiana 11848
Lecanicillium fusisporum 11787
11808
- USA, Vermont
Beauveria bassiana 9927 11841
11846 11847
Conidiobolus coronatus 6512 9914
Fusarium sp. 9937
Isaria farinosa 11822
Lecanicillium evansii(?) 11789
11791 11792 11793 11794 11809
Lecanicillium sp. 9930 9931 9935
9936
Mariannaea sp. 9932 9933 9934
11812 11813
Metarhizium anisopliae sensu lato
11840
Metarhizium sp. 11839
Paecilomyces carneus 11821
Paecilomyces marquandii 9928 9929
Trichoderma sp. 9938

<i>Frankliniella occidentalis</i>	<i>Lecanicillium psalliotae</i> (?) 10183	Trichoptera: Hydropsychidae
<i>Beauveria bassiana</i> 9588	<i>Lecanicillium</i> sp. 10187 10188	United Kingdom
<i>Metarhizium anisopliae</i> sensu lato 9591	10189 10190 10192 10193 10195	<i>Erynia rhizospora</i> 2407
France	10196 10197 10198 10199 10200	
<i>Lecanicillium lecanii</i> 3683 3688	10201 10202 10203 10208 10209	
<i>Lecanicillium lecanii</i> (?) 3689	10210 10211 10212 10213 10214	
<i>Lecanicillium muscarium</i> 3684 3685 3686 3690 3691	10287 10288 10289 10290 10291	
<i>Lecanicillium muscarium</i> (?) 3687	10294 10295 10296 10297 10298 10299 10300 10301	
Spain	<i>Mariannaea</i> sp. 2930 3315 3316 3317 3549 3554 3555 3557 3558 3559 3562 3563 10152 10153 10194	
<i>Beauveria bassiana</i> 3995 3996	<i>Metarhizium anisopliae</i> sensu lato 10135 10136 10137	
Unidentified sp. 3993 3994 3997	<i>Tolypocladium cylindrosporium</i> 10146	
USA, California	Unidentified sp. 3560	
<i>Beauveria bassiana</i> 9587	Unidentified / Hyphomycetes 10191 10282 10283 10284 10285 10286 10292 10293	
USA, Florida	<i>Verticillium</i> sp. 3547 3550 3551 3552 3556 3561	
<i>Conidiobolus coronatus</i> 3222	<i>Thrips calcaratus</i>	
USA, Hawaii	USA, Wisconsin	
<i>Acremonium</i> (?) sp. 7031	<i>Beauveria pseudobassiana</i> 3216	
USA, Vermont	<i>Thrips palmi</i>	
Unidentified sp. 3570	Trinidad and Tobago	
<i>Scirtothrips dorsalis</i>	<i>Hirsutella</i> sp. 4193	
India	USA, Puerto Rico	
<i>Fusarium</i> sp. 7381	<i>Cladosporium cladosporioides</i> 3375	
<i>Taeniothrips inconsequens</i>	<i>Thrips tabaci</i>	
Location not specified	Denmark	
Unidentified sp. 3319	<i>Acremonium psammosporum</i> 4062	
USA, Connecticut	<i>Acremonium</i> sp. 4063	
<i>Hirsutella</i> sp. 3266	<i>Lecanicillium lecanii</i> (?) 5580	
<i>Mariannaea</i> sp. 3264 3265 3267 3268 3269 3270	Unidentified / Hyphomycetes 3142	
USA, Massachusetts	<i>Verticillium lecanii</i> 5709	
<i>Lecanicillium</i> sp. 3259 3260	Germany	
<i>Mariannaea</i> sp. 3261 3262 3263	<i>Entomophthora thripidum</i> 5868 6517 6518 6519 6520 6521 6522 6525	
USA, New Hampshire	Switzerland	
<i>Acremonium bactrocephalum</i> 10169	<i>Neozygites parvispora</i> 5620 5621	
<i>Beauveria bassiana</i> 10139	Trichoptera	
<i>Lecanicillium fusisporum</i> (?) 10184	Canada, Ontario	
<i>Lecanicillium muscarium</i> 10178	<i>Harpellales, genus undetermined</i> 9064	
<i>Lecanicillium psalliotae</i> 10177	<i>Legeriosimilis</i> sp. 9066	
<i>Lecanicillium</i> sp. 10206 10207 10302 10303 10304 10305 10306	Canada, Québec	
<i>Mariannaea</i> sp. 3258 10185 10204 10205	<i>Erynia curvispora</i> 3244	
Unidentified / Hyphomycetes 10307	Unidentified sp. 3242 3243	
USA, New York	Russian Federation	
<i>Isaria</i> sp. 10162	<i>Erynia</i> sp. 9537	
<i>Lecanicillium psalliotae</i> 10170	Ukraine	
<i>Lecanicillium</i> sp. 10154	<i>Rotiferophthora angustispora</i> 9498	
<i>Mariannaea</i> sp. 3257 10150 10151	United Kingdom	
USA, Pennsylvania	<i>Erynia rhizospora</i> 1440 1441 1443	
<i>Lecanicillium</i> sp. 3253 3254 3255	<i>Pandora dipterigena</i> 2406	
<i>Mariannaea</i> sp. 3252	USA, Maine	
USA, Vermont	<i>Erynia rhizospora</i> 219	
<i>Acremonium bactrocephalum</i> 10166 10167 10168	USA, New York	
<i>Beauveria bassiana</i> 10138 10140 10143 10144 10145 10147 10148	<i>Erynia rhizospora</i> 801 2276	
<i>Hirsutella</i> sp. 2939 2940 3318 3546 3548 3553	Wales	
<i>Isaria farinosa</i> 3564 10155 10157 10158 10159 10161	<i>Erynia rhizospora</i> 1442	
<i>Isaria</i> sp. 10231 10232 10233 11629		
<i>Lecanicillium psalliotae</i> 10175 10176 10180 10181 10182		

Chordata • Amphibia

Anura: Bufonidae

- Bufo bufo*
United Kingdom
Basidiobolus sp. 9894 9895 9896 9897 9898 9899 9906 9907 9908

Anura: Dendrobatidae

- Dendrobates leucomelas*
Switzerland
Basidiobolus sp. 9888

Anura: Discoglossidae

- Alytes* sp.
United Kingdom
Basidiobolus sp. 9903 9904 9905 9909 9910 9911 9912
Discoglossus sp.
Italy
Basidiobolus sp. 9900 9901 9902

Anura: Microhylidae

- Dyscophus guineti*
Switzerland
Basidiobolus sp. 9887

Anura: Ranidae

- Hylarana erythraea*
Malaysia
Basidiobolus sp. 9890
Hylarana glandulosa
Malaysia
Basidiobolus sp. 9892
Hylarana labialis
Malaysia
Basidiobolus sp. 9891 9893

Caudata: Salamandridae

- Triturus marmoratus*
Switzerland
Basidiobolus sp. 9889

Chordata • Mammalia

Artiodactyla: Bovidae

- Ovis aries*
United Kingdom
Beauveria bassiana 7770

Perissodactyla: Equidae

- Equus ferus caballus*
United Kingdom
Beauveria bassiana 7771 7772
USA, Louisiana
Conidiobolus coronatus 2715
Conidiobolus lamprauges 2338

Primates: Hominidae

- Homo sapiens*
Australia
Metarhizium anisopliae sensu lato 8759
Indonesia
Basidiobolus haptosporus 261 272
Location not specified
Basidiobolus sp. 273
Nigeria
Conidiobolus coronatus 206
USA, New Mexico
Beauveria bassiana 8601
USA, Texas
Conidiobolus sp. 2928
USA, Wisconsin
Beauveria bassiana 8602

Cnidaria • Anthozoa

Alcyonacea: Gorgoniidae

- Gorgonia ventalina*
Netherlands
Aspergillus sydowii 8381
The Bahamas
Aspergillus sydowii 8380
USA, Florida
Aspergillus sydowii 8379 8382

Nemata • Secernentea

Aphelenchida: Aphelenchoididae

- Aphelenchoides* sp.
USA, New York
Haptocillium balanoides 3173
Sterile mycelium 3735

Dorylaimida: Longidoridae

- Xiphinema* sp.
USA, Pennsylvania
Catenaria anguillulae 2015
Leptolegnia sp. 2004
Xiphinema americanum
USA, Pennsylvania
Aphanomyces sp. 2005
Xiphinema rivesi
USA, Pennsylvania
Lagenidium caudatum 2003

Rhabditida: Rhabditidae

- Bunonema* sp.
Japan
Nematoctonus sp. 5663
Cruznema lambdiense
USA, Tennessee
Macrobotrophthora vermicola 650

Tylenchida: Criconeematidae

- Criconemella curvata*
USA, Pennsylvania
Hirsutella rhossiliensis 2007
Criconemella xenoplax
USA, California
Hirsutella rhossiliensis 3747 3748
3750 3754
USA, Pennsylvania
Hirsutella rhossiliensis 2006 2008
3744 3746

Tylenchida: Heteroderidae

- Heterodera glycines*
PR China
Hirsutella minnesotensis 7288 7289
7290 7291 7294
Hirsutella rhossiliensis 7286 7287
7292 7293 7295
Ramiscandelaber longisporus 6175
6176
USA, Arkansas
Unidentified / Hyphomycetes 5237
5238 5239 5240 5241
USA, Kentucky
Unidentified / Hyphomycetes 5244
USA, Mississippi
Unidentified / Hyphomycetes 5245
5246 5247 5248
USA, Tennessee
Unidentified / Hyphomycetes 5242
5243
Heterodera humuli
Germany
Hirsutella rhossiliensis 2894
Heterodera schachtii
USA, California
Drechslerella dactyloides 2934
Hirsutella rhossiliensis 2788 2789
2790 2791 2792 2794 2931 2932
2933 3761

Meloidogyne sp.

- India
Purpureocillium lilacinum 2233
Peru
Purpureocillium lilacinum 2183
Philippines
Purpureocillium lilacinum 2181
2182 2184 2185 2186

Meloidogyne hapla

- USA, New York
Drechslerella dactyloides 4955
Arthrobotrys oligospora 4967
Fusarium oxysporum 4963 4964
Fusarium sp. 4956 4962
Harposporium anguillulae 4954
Lecanicillium psalliotae 4960 4965
Monacrosporium cionopagum 4966
Monacrosporium elliposporum
4957 4959

Rotifera • Bdelloidea

Bdelloida: Adinetidae

- Adineta* sp.
Japan
Pseudomeria mucosa 10262
Rotiferophthora sp. 9544
USA, New York
Pseudomeria mucosa 10272
Rotiferophthora barronii 10267
Rotiferophthora sp. 10266
Triacutus subcuticularis 10260
Adineta vaga
USA, New York
Harposporium botuliforme 10275

Bdelloida: Habrotrichidae

- Habrotricha* sp.
Japan
Rotiferophthora sp. 9545 9546
USA, New York
Rotiferophthora cylindrospora 9547
9548
Rotiferophthora denticulospora
9549
Rotiferophthora sp. 10265
Habrotricha elusa
USA, New York
Harposporium spirosporum 8821
10271
Pseudomeria mucosa 8993 9383
Rotiferophthora angustispora 8991
Rotiferophthora guttulaspora 10269
Rotiferophthora intermedia 10270
Habrotricha elusa elusa
USA, New York
Pochonia sp. 10261
Rotiferophthora cylindrospora 8992
10273
Rotiferophthora ovispora 10274
Rotiferophthora sp. 9542 9543 10263
10264

Vertebrata • Reptilia

Chelonia: Emydidae

- Trachemys scripta*
Spain
Beauveria bassiana(?) 5990

Crocodylia: Alligatoridae

- Alligator mississippiensis*
USA, Oklahoma
Beauveria pseudobassiana 2455

Squamata: Colubridae

- Elaphe* sp.
Germany
Schizangiella sp. 2237 2239
Elaphe obsoleta
USA, Virginia
Schizangiella serpentis 8000 8047

Squamata: Viperidae

- Crotalus horridus*
USA, Maryland
Schizangiella serpentis 203

Fungi

Ascomycota • Eurotiomycetes

Eurotiales: Elaphomycetaceae

- Elaphomyces* sp.
Canada, British Columbia
Elaphocordyceps ophioglossoides
8013
Russian Federation
Elaphocordyceps ophioglossoides
9485

Fungus by Host and Location

USA, New York

Elaphocordyceps ophioglossoides
4826 4827 4828 4829 4830 4831
4832 4833 4834 4835 4836 4837

USA, Oregon

Elaphocordyceps capitata 8009**Ascomycota • Pyrenomycetes****Sordariales: Nitschkiaceae***Bertia moriformis*
New Zealand
Neobarya parasitica 6156**Basidiomycota • Hymenomycetes****Agaricales***Volvariella volvacea*
USA, Puerto Rico
Conidiobolus coronatus 1147**Agaricales: Tricholomataceae***Armillaria mellea*
Russian Federation
Calcarisporium arbuscula 6155**Dacrymycetales**USA, New York
Conidiobolus coronatus 3087**Basidiomycota • Pucciniomycetes**Russian Federation
Lecanicillium muscarium 9471 9472**Pucciniales: Phragmidiaceae***Phragmidium* sp.
Ukraine
Lecanicillium muscarium 7631
Lecanicillium muscarium(?) 9462**Eumycota • Basidiomycota****Agaricales: Entolomataceae***Entoloma* sp.
USA, New York
Lecanicillium flavidum 4519**Eumycota • Basidiomycotina****Uredinales***Hemileia vastatrix*
Ethiopia
Lecanicillium muscarium 6699
Thailand
Verticillium epiphytum 5250
Olivea colebrookeae
India
Lecanicillium psalliotae 5249**Uredinales: Pucciniaceae***Puccinia striiformis*
Germany
Verticillium lecanii 5221**Myxomycota • Myxomycetes****Trichiales: Trichiaceae***Hemitrichia serpula*
USA, New York
Polycephalomyces tomentosus 5353**Hemiptera****Arthropoda • Insecta****Hemiptera: Coccoidea***Aschersonia placenta* 7604
Brazil, São Paulo
Lecanicillium lecanii 7550
Mexico
Moelleriella umbospora 11870
11871
Panama
Ascopolyporus philodendrus 7354
Ascopolyporus villosus 7355
Hypocrella panamensis 8361
Torrubiella piperis 7232
Russian Federation
Lecanicillium muscarium 7633
Sporothrix ghanensis 9500
Thailand
Hypocrella discoidea 7681
Hypocrella javanica 7605
Hypocrella raciborskii 7606
USA, Puerto Rico
Fusarium coccophilum 7409
Lecanicillium lecanii 7408
Unidentified / Hyphomycetes 7386
USA, Vermont
Lecanicillium sp. 9177**Plantae****Pinophyta • Taxopsida****Taxales: Taxaceae***Taxus* sp.
USA, Vermont
Ostracoderma sp. 5163

Antarctica

Isaria farinosa 2975
Lecanicillium lecanii(?) 5136 5137
 5138
 Victoria Land
Conidiobolus antarcticus 6913

Argentina

Buenos Aires
Aphanocladium sp. 8457 8458
Aspergillus sp. 5205
Beauveria bassiana 5501 7049 7201
 7202 7464 7465 7466 7467 7468 7469
 7471 7776 8368 8369 8370 8371 8459
 8460 8461 8465 8520 8521 8522 8523
 8524 8525 8526 8528 8529 8530 8929
Beauveria sp. 7463
Conidiobolus coronatus 7203
Conidiobolus sp. 7786
Hirsutella citrififormis 8677 8678 8679
Hirsutella sp. 8378
Isaria farinosa 2971 7777
Isaria fumosorosea 6916 7050 7051
 7204 7205 8717 8718 8719 8720 8721
 8723 8724 8725 8726 8727 8728 8729
 8730 8928
Isaria javanica 7477
Lecanicillium lecanii 7207 7462
Lecanicillium longisporum 7206 7457
 7458 7459 7461 7783 7784
Lecanicillium muscarium 7460 7781
 7782 7785
Leptolegnia chapmanii 5499 7787
Metarhizium anisopliae sensu lato
 7474 7475 7476 8375 8527
Metarhizium brunneum 2974 6120
Nomuraea rileyi 5208 5209 5210 5211
 5212 6877 7052 7053 7054 7055 7056
 7149 7479 7480 7481 7482 7483 7778
Pandora neophidid 11862 11863
Smittium culisetae 5430 9075 9094
 9131
Smittium culicis 5431 5432 9004 9031
Zoophthora radicans 5814 6917 7208
 7455 7788 7789 8466 11860
Zoophthora sp. 7454
 Córdoba
Beauveria bassiana 7147
 Corrientes
Beauveria bassiana 8464
Metarhizium anisopliae sensu lato
 8376 8377
 Entre Ríos
Clonostachys rosea 7472
 La Rioja
Fusarium sp. 7473
 Neuquén
Smittium sp. 9119
 Río Negro
Smittium tronadorium 9030
 Santa Fe
Beauveria bassiana 5500 5502
Nomuraea rileyi 7150 7151 7484 7779
 7780
Zoophthora radicans 11859 11861
 Santiago del Estero
Nomuraea rileyi 2465 7148

Purpureocillium lilacinum 7478
 Tucumán
Beauveria bassiana 2010 2011 2457
 2509 2515 2516 7470 8372 8373 8374
 8462 8463
Clonostachys rosea 7200
Hirsutella thompsonii 2012 2464
Lecanicillium longisporum 2460
Lecanicillium sp. 2009
Metarhizium robertsii 3925
Nomuraea rileyi 2013 2466
 Australia
Conidiobolus sp. 2924 2925 2926 2927
Culicinomyces clavispurus 2622
Hirsutella rhossiliensis 3879
Lecanicillium muscarium(?) 1032
Metarhizium anisopliae sensu lato
 438 4125
Metarhizium brunneum 4228
Metarhizium pingshaense 437
Pandora neophidid 381
 Australian Capital Territory
Aspergillus parasiticus 4128
Beauveria bassiana 7853 8578 8579
Metarhizium anisopliae sensu lato
 7863 8059 8502 8560 8561 8562 8608
 8609 8837 8838
Metarhizium majus 473
Pandora neophidid 835
 Avoca
Metarhizium anisopliae sensu lato
 4299
Metarhizium frigidum 4294
 Macquarie Island
Beauveria bassiana 4289
Metarhizium anisopliae sensu lato
 4343 4344 4345 4569 4570
 New South Wales
Ascospaera duoformis 5141
Ascospaera sp. 7368
Aspergillus flavus 4126
Aspergillus parasiticus 4129
Aspergillus tamarii 4127
Batkoa apiculata 839
Beauveria bassiana 300 356 357 4130
 4589 4607 7813 8493 8753 8763 8843
 8846 8853 8854
Conidiobolus coronatus 471
Conidiobolus obscurus 354 824 834
Culicinomyces clavispurus 644 645
 2471 2472 2473 2474 2475 2476 2477
 2478
Entomophaga praxibuli 840
Isaria fumosorosea 8892
Metarhizium anisopliae sensu lato
 4242 4568 4574 4777 4778 4779 4780
 7498 7499 7500 7503 7814 7820 7821
 7822 7823 7862 8060 8061 8062 8063
 8064 8067 8068 8069 8070 8071 8072
 8073 8074 8075 8080 8081 8082 8083
 8084 8085 8086 8087 8088 8089 8090
 8091 8092 8093 8094 8095 8096 8097
 8229 8230 8231 8232 8233 8234 8235
 8236 8492 8495 8503 8504 8505 8506
 8507 8508 8509 8510 8511 8512 8513

8514 8515 8516 8517 8518 8531 8532
 8533 8534 8535 8536 8537 8538 8539
 8540 8541 8542 8575 8759 8764 8765
 8766 8767 8829 8844
Metarhizium anisopliae sensu stricto
 7432
Metarhizium brunneum 472
Metarhizium flavoviride 8758
Metarhizium frigidum 7436 7437 7438
 7439 7440 7441 7442 7443 7444 7445
 7446 7447 7448
Metarhizium guizhouense 4588 7502
Metarhizium majus 4566 4601
Metarhizium pingshaense 7414 7415
 7416
Metarhizium robertsii 4241 4621 7413
 7501
Metarhizium sp. 7495 8851 8852 8855
 8856 8857
Nomuraea anemonoides 2467
Pandora kondoiensis 828 836 837
Pandora neophidid 827 829 838
Penicillium sp. 4263
Smittium culisetae 9025
Zoophthora radicans 359 370 823
 Northern Territory
Metarhizium anisopliae sensu lato
 8581 8584 8585 8587 8588 8589 8590
 8591 8745 8746 8747 8768
Metarhizium anisopliae sensu stricto
 7430
 Queensland
Ascospaera apis 5142
Ascospaera arienooides 5143
Ascospaera solina 5146
Ascospaera subcuticulata 5145
Beauveria bassiana 325 326 5987 7891
 8065 8066 8751 8752 8891
Conidiobolus coronatus 349
Ophiocordyceps heteropoda 1880
Crypticola clavulifera 1940
Culicinomyces bisporalis 1948 1949
Culicinomyces clavispurus 2480 2481
Entomophaga australiensis 328 331
 365
Entomophthora chromaphidid 1860
 1862 1863
Isaria fumosorosea 6799 6800
Lagenidium giganteum 2529 2530
 2531 2532
Metarhizium anisopliae var. *acidum*
 7522 7970 8359
Metarhizium acidum 324 4605
Metarhizium anisopliae var. *lepidiotae*
 7453 8732
Metarhizium anisopliae sensu lato
 7411 7451 7452 7496 7504 7816 7817
 7818 7819 7824 7825 7826 7827 7828
 7829 7830 7831 7832 7833 7834 7835
 7836 7837 7838 7839 7840 7841 7842
 7843 7844 7846 7854 7855 7856 7857
 7858 7859 7860 7861 7864 7865 7867
 7868 7892 7893 7894 7895 7896 7897
 7898 7899 7900 7901 7902 7903 7904
 7905 7906 7907 7908 7909 7910 7911
 7912 7913 7914 7915 7916 7917 7918

7919 7920 7926 7931 8496 8497 8500	4590 4591 4592 4593 4594 4595 4596	7935 7936 8100 8101 8102 8549 8550
8558 8559 8563 8564 8565 8566 8567	4599 4600 4602 4603 4606 4608 4609	8551 8552 8553 8554 8555 8556 8557
8577 8582 8583 8586 8592 8610 8615	4613 4614 4617 4618 4619 4620 4623	8576 8848 8849
8616 8617 8618 8619 8620 8621 8622	4624 4625 4626 4627 4629 4631 4632	<i>Metarhizium robertsii</i> 7424
8731 8733 8734 8744 8754 8755 8761	4633 4634 4635 4636 4637 4638 4639	<i>Smittium angustum</i> 9241
8762 8823 8824 8828 8833 8834 8839	4640 4641 4643 4645 4646 4647 4648	
8845 8847 8850 10469	4649 4650 4651 4652 4653 4654 4655	
<i>Metarhizium anisopliae</i> sensu stricto	4657 4661 4663 4664 4665 4668 4669	
7418 7419 7423 7426 7427 7428 7450	4671 4673 4674 4676 4677 4678 4682	
<i>Metarhizium guizhouense</i> 7420	4683 4684 4687 4716 4717 4718 4722	
<i>Metarhizium lepidiotae</i> 7412 7488	4723 4724 4725 4726 4731 4732 4733	
<i>Metarhizium majus</i> 7505	4734 4735 4736 4737 4738 4740 4743	
<i>Metarhizium pingshaense</i> 7410 7417	4746 4747 4748 4749 4752 4753 4754	
7421 7422 7425 7429	4757 4758 4759 4760 4761 4762 4763	
<i>Metarhizium robertsii</i> 7449	4764 4766 4774 8749	
<i>Nomuraea rileyi</i> 323 358 380	<i>Metarhizium brunneum</i> 4152 4158	
<i>Pandora blunckii</i> 3075	4164 4179 4251 4615	
<i>Pandora kondoiensis</i> 369 825	<i>Metarhizium flavoviride</i> 4221 4272	
<i>Pandora nouryi</i> 362	4304	
<i>Paraisaria dubia</i> 5764	<i>Metarhizium flavoviride</i> var. <i>flavoviride</i> 4719 4720 4727 4729 4730	
<i>Pseudogibbellula formicarum</i> 5765	<i>Metarhizium flavoviride</i> var. <i>no-vazealandicum</i> 8750	
5766	<i>Metarhizium frigidum</i> 4219 4277 4561	
<i>Zoophthora radicans</i> 1082	4680 4765	
South Australia	<i>Metarhizium guizhouense</i> 4153 4303	
<i>Beauveria pseudobassiana</i> 4273	4321	
<i>Metarhizium anisopliae</i> sensu lato	<i>Microrhizium oncooperae</i> 4358 4769 4770	
4132 4133 4139 7845 8570 8571 8572	4771	
8573 8574 8611	<i>Mixed Culture</i> sp. 4145 4245 4260	
<i>Metarhizium brunneum</i> 346 4131	<i>Metarhizium lepidiotae</i> 4154	
Tasmania	<i>Metarhizium robertsii</i> 4227 4628 4739	
<i>Beauveria amorpha</i> 4149	<i>Metarhizium</i> sp. 4165	
<i>Beauveria australis</i> 4580 4598 4622	<i>Paecilomyces</i> sp. 4742	
<i>Beauveria bassiana</i> 4135 4136 4258	<i>Penicillium</i> sp. 4143 4144 4146 4148	
4276 4305 4616 4672 4685 4744 8835	4182 4223 4666	
8836	<i>Phialophora</i> sp. 4751	
<i>Beauveria caledonica</i> 4302	<i>Smittium culicis</i> 9003 9057 9123 9124	
<i>Beauveria malawiensis</i> 4755	9125 9140 9141 9142	
<i>Beauveria pseudobassiana</i> 4150 4222	<i>Smittium</i> sp. 9079	
4240 4254 4261 4271 4274 4285 4297	Sterile mycelium 4237 4243 4750	
4300 4301 4320 4326 4353 4356 4564	<i>Tolypocladium inflatum</i> 4575 4772	
4571 4583 4611 4612 4644 4658 4670	Unidentified sp. 4140 4147	
4721 4741 4745	Unidentified / Hyphomycetes 4233	
<i>Cordyceps gunnii</i> 6828	Victoria	
<i>Furculomyces boomerangus</i> 9021	<i>Beauveria bassiana</i> 8756 8757	
<i>Fusarium</i> sp. 4238	<i>Culicinomyces clavispurus</i> 2479	
<i>Isaria fumosorosea</i> 8840	<i>Furculomyces boomerangus</i> 9077 9259	
<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato	
4134 4137 4138 4141 4151 4155 4156	435 440 441 442 445 7489 7490 7815	
4157 4159 4160 4161 4162 4163 4166	8543 8544 8545 8546 8547 8548 8760	
4167 4168 4169 4170 4171 4172 4173	<i>Metarhizium frigidum</i> 4124	
4174 4175 4176 4177 4178 4180 4181	<i>Metarhizium pingshaense</i> 436 439 443	
4183 4184 4185 4186 4187 4188 4189	444 446	
4190 4191 4192 4220 4224 4225 4226	<i>Pandora neoaphidis</i> 830	
4229 4230 4232 4234 4235 4236 4244	<i>Smittium culicis</i> 9005 9006 9040 9041	
4246 4247 4248 4249 4250 4252 4253	<i>Smittium elongatum</i> 9251	
4255 4256 4257 4259 4262 4264 4265	Western Australia	
4266 4267 4268 4269 4270 4275 4278	<i>Ascospaera atra</i> 5147	
4279 4280 4281 4282 4283 4284 4286	<i>Ascospaera flava</i> 5144	
4287 4288 4291 4292 4293 4295 4296	<i>Beauveria bassiana</i> 7877 7878 7889	
4298 4306 4307 4308 4309 4310 4311	7890	
4312 4313 4314 4315 4316 4317 4318	<i>Metarhizium anisopliae</i> sensu lato	
4319 4322 4323 4324 4325 4327 4328	7869 7870 7871 7872 7873 7874 7875	
4329 4330 4331 4332 4346 4347 4348	7876 7879 7880 7881 7882 7883 7884	
4349 4350 4351 4352 4354 4355 4357	7885 7886 7887 7888 7932 7933 7934	
4560 4562 4563 4565 4567 4573 4576		
4577 4578 4579 4581 4584 4585 4586		

Bolivia

Aschersonia incrassata 7670
Departamento La Paz
Aschersonia cubensis 7647 7648
Aschersonia sp. 7656
Aschersonia viridans 7650 7652 7653
Hyperdermium sp. 7655

Brazil

Acremonium roseum 1964
Aschersonia aleyrodii 8996 8997
Aschersonia sp. 4098
Beauveria bassiana 1831 1832 1833
1834 1836 2722 2723 3219 3858 4091
4092 4093
Beauveria sp. 1835 3859
Cladosporium herbarum 3792
Isaria amoenerosea 4097
Isaria fumosorosea 3852 3857
Isaria tenuipes 4096
Metarhizium anisopliae sensu lato
549 550 551 1899 1902 1911 3147
4095 8498
Metarhizium anisopliae sensu stricto
2517
Nomuraea rileyi 4094
Purpureocillium lilacinum 3854
Paecilomyces marquandii 3855
Paecilomyces sp. 3853
Trichoderma sp. 807
Unidentified sp. 3856 3860
Unidentified / Hyphomycetes 7383
Zoophthora radicans 3026

Alagoas

Beauveria bassiana 1953 1954 1955
1956
Isaria farinosa 1957

Amazonas

Beauveria bassiana 730 731 732 756
2512 2957
Evlachovaea sp. 6638
Isaria fumosorosea 2956
Lecanicillium aphanocladii(?) 7986
Metarhizium anisopliae sensu stricto
755

Bahia

Beauveria bassiana 1479 1959 1960
1961 1962 2075 3999
Fusarium sp. 4002
Metarhizium anisopliae sensu lato
1282 1299 1379 1382 1896 1898 1958
Metarhizium anisopliae sensu stricto
1045 1894 1900
Nomuraea rileyi 1972
Neozygites floridana(?) 6219 6220
6221
Unidentified sp. 3474 4000 4003

Ceará

Beauveria bassiana 753 757 783 784
785 786 787 788 804 805 2637 4001
Erynia sp. 876 880 884
Hirsutella guyana 2993
Hirsutella sp. 2644 2645 2646 2647
2648 2649 2650 2651 2652 2653 2654
2655 2656 2657 2992

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Beauveria bassiana 3018 3019

Evlachovaea sp. 6641
Isaria fumosorosea 3480
Metarhizium anisopliae sensu lato
3479
Metarhizium pingshaense 552
Purpureocillium lilacinum 3481
Simplicillium lanosoniveum 6642
Unidentified sp. 3475 3476

Espírito Santo

Beauveria bassiana 1483
Metarhizium anisopliae sensu lato
925
Metarhizium anisopliae sensu stricto
1044
Penicillium sp. 2643

Goiás

Beauveria bassiana 733 734 735 736
737 738 739 752 754 758 806 809 928
930 931 933 934 956 957 1476 1478
1971 2079 2191 2625 2626 2636 2938
2942 2943 2944 2961
Conidiobolus coronatus 1884
Conidiobolus sp. 1477 2193
Entomophaga australiensis 743 1888
Entomophaga sp. 1230
Erynia sp. 1241
Furia americana 742 2192 2194
Hirsutella sp. 1625
Isaria amoenerosea 741 744 2220 2958
2959 2960
Isaria fumosorosea 722 2216 2217
2219 2221
Metarhizium anisopliae sensu lato
725 728 729 759 760 782 808 929
932 939 955 1882 1885 1970 2076
2077 2212 2213 2214 2510 2513 2635
2941 2949 2951

Metarhizium anisopliae sensu stricto
1883
Mixed Culture sp. 3472
Metarhizium pingshaense 1448
Metarhizium robertsii 724 727 1952
2514

Nomuraea rileyi 935 936
Purpureocillium lilacinum 723 2078
2215 2952
Pandora delphacis 1238 1936
Penicillium sp. 2950
Pochonia chlamydosporia var.
chlamydosporia 2218
Unidentified sp. 3626 3629 3633 3639
3640 3641 3642 3643 3644 3645 3646
3647 3648 3649 3650 3651 3652 3653
3654 3655 3656 3657

Zoophthora radicans 789 790 1492
1493 1494 1495 1496 1497 1498 1499
1500 1501 1502 1503 1504 1541 1542
1543 1544 1581 1582 1583 1584 1585
1586 1587 1588 1589 1590 1591 1593
1594 1595 1928 1929 1930 1931 1932
1933 1934 1935 1937 2196

Mandioca

Unidentified sp. 3793

Maranhão

Unidentified sp. 3630 3635

Mato Grosso

Beauveria bassiana 477 937 938 941
942 943 944 945 946 947 948 949
950 951 952 953 982 2401 2402 2403
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<i>Isaria farinosa</i> 5858 7118	<i>Metarhizium anisopliae</i> sensu lato 5851	<i>Metarhizium anisopliae</i> sensu lato 6670 6671 6672 6673 6674 6675 6677 6678 6679 6680 6682 6683 6684 6685
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<i>Conidiobolus pseudapiculatus</i> 2493 2496 2497 2502	<i>Entomophthora muscae</i> 2678	<i>Beauveria pseudobassiana</i> 5622
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<i>Erynia</i> sp. 2495	<i>Isaria farinosa</i> 4029 4040	Hämeen Lääni
<i>Zoophthora anglica</i> 2505	<i>Lecanicillium muscarium</i> 4033	<i>Metarhizium brunneum</i> 5626
<i>Zoophthora radicans</i> 2499 2500 2501 2503 2506 2523 2554	Dominican Republic	Uudenmaan Lääni
Zealand	<i>Verticillium lecanii</i> 6144 6145	<i>Metarhizium anisopliae</i> sensu lato 5624
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<i>Isaria farinosa</i> 4010 4039 4045	<i>Beauveria</i> sp. 6691	<i>Paecilomyces</i> sp. 971
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Dpto. Francisco Morazán

Hypocrella sp. 7705

Hong Kong

Isaria fumosorosea 6797 6798

Hungary

Beauveria bassiana 1627 1628 1629
 6967

Budapest

Beauveria bassiana 6612 6613 6614
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Beauveria bassiana(?) 6608
Isaria fumosorosea 6610
Verticillium lecanii 6606

Csongrád

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India

Aspergillus sp. 3698
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Beauveria brongniartii 2660
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Fusarium sp. 2232 2414 2418 2595
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Isaria fumosorosea 3699 3700 3843
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Lecanicillium longisporum 1026
Lecanicillium muscarium 2659
Lecanicillium psalliotae 5249
Metarhizium globosum 2596
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Conidiobolus sp. 211

Fusarium sp. 6649

Nomuraea rileyi 6645

Pandora delphacis 1730 1731

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Aspergillus sp. 8280 8284 8292 8519

Fusarium lateritium 8291

Fusarium sp. 8277 8278 8279 8281
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Karnataka

Conidiobolus bangalorensis 449

Fusarium sp. 7381

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Aspergillus flavus 9376 9378

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<i>Metarhizium anisopliae</i> sensu lato 6475	<i>Escovopsis aspergilloides</i> 5575		<i>Geotrichum</i> sp. 2752
Finnmark	<i>Escovopsis</i> sp. 5574		<i>Isaria farinosa</i> 2724 2726 3191
<i>Aspergillus flavus</i> (?) 5503 5504	<i>Escovopsis weberi</i> 5576		<i>Isaria fumosorosea</i> 2733 2734 2744 2745 2749 3179 3188
Nord Trøndelag	<i>Hypocrella panamensis</i> 8361		<i>Metarhizium anisopliae</i> sensu lato 2805 2806 3190 3196
<i>Arthrobotrys oligospora</i> 5561	<i>Purpureocillium lilacinum</i> 8456		<i>Metarhizium anisopliae</i> sensu stricto 3187
<i>Aspergillus flavus</i> (?) 5506 5507 5508 5509	<i>Torrubiella piperis</i> 7232		<i>Metarhizium brunneum</i> 2742
<i>Beauveria bassiana</i> 5510	Chiriqui		<i>Mixed Culture</i> sp. 2738 2740 2810 3178
<i>Metarhizium anisopliae</i> sensu lato 5518 5519 5520 5521	<i>Aschersonia aleyrodis</i> 7641		<i>Metarhizium pingshaense</i> 2735 2809
<i>Tolypocladium cylindrosporium</i> 5526	<i>Aschersonia basicystis</i> 7749		<i>Myrothecium verrucaria</i> 2741
Nordland	Papau New Guinea		<i>Pandora blunckii</i> 2824 3200 3202
<i>Arthrobotrys oligospora</i> 5562	Morobe Province		<i>Pandora</i> sp. 3201
<i>Aspergillus flavus</i> (?) 5505	<i>Metarhizium anisopliae</i> sensu lato 4630		<i>Penicillium</i> sp. 2747
<i>Fusarium</i> sp. 5560	<i>Metarhizium guizhouense</i> 4604		<i>Scopulariopsis</i> sp. 3189 3203
<i>Metarhizium anisopliae</i> sensu lato 5513 5514 5515 5516 5517	<i>Metarhizium lepidiotae</i> 4660		Unidentified sp. 2746 2821
<i>Tolypocladium cylindrosporium</i> 5527 5528 5529 5530 5531 5532 5558 5559	Papua New Guinea		<i>Zoopthora radicans</i> 2732 2893 3204 3205 3206
Østfold	<i>Aspergillus flavus</i> 2157 2158 2159		Cagayan
<i>Metarhizium anisopliae</i> sensu lato 6901	<i>Beauveria</i> sp. 2164		<i>Metarhizium album</i> 2081
<i>Metarhizium brunneum</i> 6477	<i>Lasiodiplodia theobromae</i> 2170		Laguna
Rogaland	<i>Metarhizium anisopliae</i> sensu lato 2156 2163 2165 2166 2167 4773 8593 8612 8613 8614 8748		<i>Aspergillus</i> sp. 3176
<i>Metarhizium anisopliae</i> sensu lato 5554 5555 5556	<i>Metarhizium lepidiotae</i> 4587		
Sogn og Fjordane	<i>Metarhizium pingshaense</i> 2162 3604		
<i>Beauveria bassiana</i> 7552 7553 7554	<i>Purpureocillium lilacinum</i> 2155		
<i>Beauveria brongniartii</i> 7555 7556 7557 7558 7559 7560 7561	<i>Scopulariopsis</i> sp. 2169		
<i>Beauveria</i> sp. 7562 7563 7564 7565 7566 7567	<i>Synnematium jonesii</i> 5664		
<i>Isaria farinosa</i> 7574 7575 7576 11656	<i>Trichoderma</i> sp. 2160 2161		
<i>Isaria fumosorosea</i> 11657 11658 11659			
<i>Lecanicillium muscarium</i> 7568			
<i>Metarhizium anisopliae</i> sensu lato 7014 7015 7016 7017 7018 7019 7020			

Geographical Origin

<i>Conidiobolus coronatus</i> 405 406 418 419 421 422	<i>Metarhizium flavoviride</i> var. <i>minus</i> 2339	Portugal <i>Beauveria pseudobassiana</i> 3220 <i>Pandora neoaphidis</i> 1600
<i>Metarhizium album</i> 1942 1943	<i>Metarhizium pingshaense</i> 1545	Azores <i>Beauveria bassiana</i> 5148 5150 <i>Beauveria</i> sp. 4920 <i>Isaria fumosorosea</i> 2679 <i>Metarhizium anisopliae</i> sensu lato 3329 4904 4905 4906 4907 4908 4925 4926 4927 4928 4929 4930 <i>Metarhizium brunneum</i> 3864 <i>Metarhizium robertsii</i> 4903 4919 5149 Unidentified sp. 3841 Unidentified / Hyphomycetes 4921 4922 4923 4924 4931 4932
<i>Metarhizium pingshaense</i> 3180	Sterile mycelium 1435	PR China <i>Beauveria bassiana</i> 501 502 533 652 708 709 6387 6793 6794 6795 <i>Hirsutella sinensis</i> 6282 <i>Metarhizium pingshaense</i> 712 <i>Paecilomyces sinensis</i> 6284 6285 <i>Sporothrix insectorum</i> 6286
Leyte	Pangasinan	Anhui <i>Beauveria amorpha</i> 6227 <i>Beauveria amorpha</i> (?) 6827 <i>Beauveria bassiana</i> 6230 6231 6232 6233 6234 6390 8414 <i>Cordyceps bassiana</i> 7047 <i>Cordyceps militaris</i> 6248 <i>Hymenostilbe sphecophila</i> 6292 <i>Isaria cateniannulata</i> 6240 6241 6242 6243 <i>Isaria cateniobliqua</i> 6244 6283 <i>Isaria farinosa</i> 6246 <i>Isaria tenuipes</i> 6249 <i>Metarhizium anisopliae</i> sensu lato 6236 6237 <i>Metarhizium guizhouense</i> 6238 <i>Metarhizium pingshaense</i> 8420 <i>Nomuraea rileyi</i> 6239 <i>Purpureocillium lilacinum</i> 6247 <i>Scopulariopsis</i> sp. 8421 8422
<i>Hirsutella citriformis</i> 2347 2598	<i>Aspergillus</i> sp. 3195	Beijing <i>Ramicandelaber longisporus</i> 6175 6176
<i>Isaria fumosorosea</i> 2175	<i>Isaria amoenerosea</i> 3192	Gansu Province <i>Beauveria bassiana</i> 7155 7164
<i>Metarhizium album</i> 2176 2178 2179	<i>Isaria fumosorosea</i> 2804	Guangdong Province <i>Aschersonia placenta</i> 7607 7686 <i>Clavicipitaceae</i> anamorph 7683
<i>Nomuraea rileyi</i> 2174	<i>Metarhizium anisopliae</i> sensu lato 3194	Guangxi Zhuang Autonomous Region <i>Beauveria bassiana</i> 11713 <i>Nomuraea atypicola</i> 9594
<i>Purpureocillium lilacinum</i> 2181 2182 2185 2186	<i>Metarhizium pingshaense</i> 3193	Guizhou Province <i>Beauveria bassiana</i> 9595 9598 9600 11708 11711 11712 11716 11717 11719 11720 <i>Beauveria brongniartii</i> 9599 <i>Beauveria pseudobassiana</i> 6229 <i>Beauveria</i> sp. 9596 11709 11714 <i>Cordyceps militaris</i> 11703 <i>Cordyceps pruinosa</i> 11724 <i>Cordyceps</i> sp. 6281 6349 <i>Hirsutella liboensis</i> 9603 <i>Isaria cateniannulata</i> 9601
Unidentified / Hyphomycetes 2177	Quezon	
Luzon	<i>Beauveria bassiana</i> 3181	
<i>Beauveria bassiana</i> 4981 4982 4983 4984	<i>Isaria farinosa</i> 2807 3183 3184 3185 3186	
Manila	<i>Isaria fumosorosea</i> 3177	
<i>Aschersonia</i> sp. 2357 2358	<i>Mixed Culture</i> sp. 3182	
<i>Aschersonia insperata</i> 2356 2396	<i>Metarhizium majus</i> 1914 1946 2808	
<i>Beauveria bassiana</i> 2041		
<i>Beauveria brongniartii</i> 1431	Poland	
<i>Conidiobolus coronatus</i> 511	<i>Basidiobolus haptosporus</i> 1347	
<i>Entomophaga</i> sp. 1126	<i>Beauveria bassiana</i> 158 301 333 334 335 474	
<i>Hirsutella citriformis</i> 490 684 1036 1062 1063 1064 1436	<i>Beauveria brongniartii</i> 1366	
<i>Hirsutella guyana</i> 2352 2387	<i>Beauveria pseudobassiana</i> 156 157 1359 1360	
<i>Hirsutella</i> sp. 1096	<i>Conidiobolus thromboides</i> 86 87 631 633 634 635	
<i>Hirsutella strigosa</i> 2044 2197	<i>Erynia</i> sp. 1338	
<i>Hirsutella verticillioides</i> 2599	<i>Furia ithacensis</i> 1339 1340	
<i>Isaria farinosa</i> 2344 2355 2376	<i>Fusarium lateritium</i> 1331 1416	
<i>Isaria fumosorosea</i> 2198	<i>Hirsutella</i> nr. <i>haptospora</i> 1362 1363 1364	
<i>Metarhizium album</i> 1840	<i>Hirsutella radiata</i> 1369	
<i>Metarhizium anisopliae</i> sensu lato 456 457 485 486 487 488 489 543 1284 1285 1286 1290 1300 1304	<i>Hirsutella subulata</i> 2227	
<i>Metarhizium brunneum</i> 455	<i>Isaria farinosa</i> 475 476 1348 1349 1354 1355 1358	
<i>Metarhizium flavoviride</i> var. <i>minus</i> 1099 1271 1272 1273 1274 1275 1276 1277 1279 1283 1287 1288 1289 1291 1292 1293 1294 1295 1296 1297 1301 1302 1303 1305 1945 2037	<i>Lecanicillium lecanii</i> 1351	
<i>Metarhizium pingshaense</i> 2043	<i>Lecanicillium muscarium</i> 972 1330 1332 1334 1335 1352	
<i>Metarhizium</i> sp. 2353	<i>Metarhizium majus</i> 1858 1859	
<i>Nomuraea rileyi</i> 481 482 483 1761 2395	<i>Pandora dipterigena</i> 1422	
<i>Purpureocillium lilacinum</i> 2184	<i>Pandora neoaphidis</i> 608 609 610 611 612 613 614 636 637	
<i>Paecilomyces reniformis</i> 429 484	<i>Pochonia bulbilosa</i> (?) 1365	
<i>Paecilomyces</i> sp. 2354	<i>Polycephalomyces formosus</i> 1424	
<i>Pandora delphacis</i> 458 459 460 461 478	Sterile mycelium 1353	
Unidentified sp. 1703	<i>Trichoderma</i> sp. 1361	
<i>Zoophthora radicans</i> 1699	Unidentified sp. 1356 1415 1417 1419 1420 1421 1423	
Mindanao	<i>Verticillium lecanii</i> 1333 1357	
<i>Hirsutella citriformis</i> 1549	<i>Zoophthora radicans</i> 1336 1337 1341 1342 1343 1344 1345 1346 1350 1428	
<i>Nomuraea rileyi</i> 1756 1757 1758 1759 1760	Kalisz <i>Hirsutella haptospora</i> 2226	
Misamis Oriental	Pniewy <i>Hirsutella</i> nr. <i>haptospora</i> 2228	
<i>Hirsutella</i> sp. 2208 2209	Szczecin	
Palawan	<i>Conidiobolus obscurus</i> 243	
<i>Beauveria bassiana</i> 1269 1270	<i>Conidiobolus thromboides</i> 242 244 245 246 247 630 632	
<i>Hirsutella citriformis</i> 1550	<i>Pandora neoaphidis</i> 638 639	
<i>Hirsutella</i> sp. 1551	Warsaw <i>Simplicillium lamellicola</i> 1367	
<i>Hirsutella thompsonii</i> 1947		
<i>Metarhizium album</i> 1941		
<i>Metarhizium anisopliae</i> sensu lato 1432 1548 2341 2342 2343		

- Isaria cicadae* 11726
Isaria farinosa 11710
Isaria fumosorosea 9602
Isaria tenuipes 11705 11706 11707
Mariannaea pruinosa 5413
Pythium sp. 5731 5732
Verticillium lecanii 6350
Verticillium sp. 6250
- Hebei Province
Beauveria bassiana 7156 7157 7166
7167 7168 7169 7170 7171 7172 7173
7174 7175 7176 7177 7178
- Heilongjiang
Entomophaga maimaiga 7139 7183
7184
- Heilongjiang Province
Hirsutella minnesotensis 7288 7289
7290 7291
- Hunan
Beauveria amorpha 656
Beauveria brongniartii 678
Pandora delphacis 664
Trichothecium sp. 653
- Hubei
Beauveria bassiana 654 679 714 717
719
Pandora delphacis 665 666 667 669
676 698 713
Zoophthora radicans 685
- Jiangsu
Paecilomyces sp. 680
Pandora delphacis 657 659 660 668
672 673 674 682 686 716
- Kiangsu
Fusarium sp. 687
Paecilomyces sp. 385
- Kwon Tung
Conidiobolus coronatus 655
Conidiobolus lachmodes 700
Metarhizium guizhouense 683
- Neimenggu Province
Hirsutella minnesotensis 7294
Hirsutella rhossiliensis 7292 7293
7295
- Shaanxi Province
Beauveria lii 11741
- Shanxi Province
Hirsutella rhossiliensis 7286 7287
- Sichuan Province
Beauveria bassiana 6027
Cordyceps pruinosa 11723
Isaria cateniannulata 11722
Isaria farinosa 6028 6029 6030 6031
6032 6033 6034 6036 6037 6038 6048
6049
Lecanicillium muscarium 6035
Verticillium lecanii 6045 6046 6047
6050
- Yunnan
Isaria farinosa 6245
- Yunnan Province
Cordyceps militaris 11704
Isaria farinosa 11721
Mixed Culture sp. 11718
Pandora nouryi 8930 8931
Simplicillium lamellicola(?) 11725
- Zhejiang Province
Pandora delphacis 6538 6539
Pandora neoaphidis 11662
- Zhijiang
Beauveria bassiana 718
Isaria fumosorosea 720
Metarhizium guizhouense 703
Nomuraea rileyi 711
Pandora delphacis 670
- Republic of China**
Taiwan
Beauveria bassiana 4866
Fusarium sp. 4863 4864
Isaria farinosa 8917
Isaria sinclairii 6925
Lecanicillium muscarium 8923
Lecanicillium psalliotae(?) 4867
Metarhizium anisopliae sensu lato
4862 4865 8775 8776 8777 8778 8779
8780 8781 8782 8783 8784 8785 8786
8787 8788 8789 8790 8791 8792 8793
8794 8795 8796 8797 8798 8799 8858
8859 8860 8861 8862 8863 8864 8865
8866 8867 8868 8869 8870 8871 8872
8873 8874 8875 8876 8877 8878 8879
8880 8881 8882 8883 8884 8885 8886
8887 8894 8895 8896 8897 8898 8899
8900 8901 8902 8903 8904 8905 8906
8907 8908 8909 8910 8911 8912 8913
8914 8915 8916 8941 8942 8943 8944
8945 8946 8947 8948 8949 8950 8951
8952 8953 8954 8955 9235 9236
Nomuraea cylindrospora 6926
Nomuraea viridulus 6927
Purpureocillium lilacinum 8918 8919
8920 8921 8922
Scopulariopsis sp. 11652
Unidentified sp. 4859 4860 4861
- Republic of Georgia**
Beauveria bassiana 8695 8697
Beauveria sp. 6533 6534 6535 6536
6537
Isaria fumosorosea 10224
Metarhizium anisopliae sensu lato
8696 8698 8700
- Autonomous Republic of Abkhazi
Aschersonia aleyrodis 9535
- Autonomous Republic of Adjara
Evlachovaea kintrischica 7218 8058
Fusarium sp. 6225
- Kakheti
Beauveria bassiana 8694
Metarhizium anisopliae sensu lato
8701 8702
Metarhizium sp. 8699
- Kvemo Kartli
Metarhizium anisopliae sensu lato
8703
- Republic of Kazakhstan**
Beauveria bassiana 10350 10351
Isaria sp. 10378
- Republic of Kiribati**
Metarhizium guizhouense 7507
- Republic of Korea**
Beauveria bassiana 2040 6658 6722
6723
Beauveria sp. 4853
Cordyceps militaris 4845 4857
Cordyceps sp. 4852 4855 4856
Fusarium semitectum 2053
Hirsutella bogoriensis 2187
Hirsutella repens 2348 2359 2394
Metarhizium anisopliae sensu lato
2038 2039
Polycephalomyces ramosus 4858
Torrubiella homopterorum 2045
- Choong-Chung Nam Do
Ophiocordyceps graciloides 5696
Cordyceps militaris 4874
- Chungnam Province
Beauveria bassiana 7239 7240
Beauveria sp. 5697
Unidentified / Hyphomycetes 5698
- Gyeongbuk Province
Beauveria bassiana 7275
- Gyeonggi Province
Beauveria bassiana 7235 7250 7266
Cordyceps militaris 4847
Cordyceps sp. 4846 4854
Isaria farinosa 5699 7249
Unidentified / Hyphomycetes 5695
- Jeju Province
Beauveria bassiana 7241 7271 7272
- Jheonnam
Beauveria bassiana 7269 7270
- Kangwon-do
Beauveria asiatica 4850
Beauveria bassiana 6721 7236 7237
7238 7244 7246 7247 7251 7252 7253
7254 7255 7260 7261 7264 7265 7267
Beauveria brongniartii 7268
Beauveria pseudobassiana 7242
Beauveria sungii 5689 7279 7280 7281
Cordyceps agriota 5692
Cordyceps bifusispora 5690
Cordyceps isarioides 5688
Cordyceps militaris 4869 4873
Cordyceps ochraceostromata 5691
Cordyceps pruinosa 5693
Cordyceps roseostromata 4870 4871
4872
Cordyceps sp. 4848 4851
Cordyceps staphylinidaecola 5718
6719 6720
Conidiobolus sp. 5712
Isaria amoenerosea 4849
Isaria farinosa 7245 7262 7263 7276
Isaria fumosorosea 5694
Isaria tenuipes 5700
Lecanicillium muscarium 7248
Unidentified sp. 4844
- Yeongnam Region
Beauveria bassiana 11715
- Romania**
Beauveria bassiana 6228
Isaria fumosorosea 5874
Metarhizium robertsii 5873

Rumania

Muntenia

Beauveria pseudobassiana 299**Russian Federation***Beauveria bassiana* 6008 6019*Beauveria* sp. 4197*Lecanicillium lecanii* 6010*Purpureocillium lilacinum* 6018

Astrakhan Oblast

Evlachovaea sp. 7602

Belgorod Region

Pochonia chlamydosporia 9494*Pochonia chlamydosporia* var.
chlamydosporia 7852

Irkutsk Region

Beauveria bassiana 7593

Karachayevo-Cherkessiya Republ

Beauveria bassiana 9446*Beauveria brongniartii* 9452*Beauveria* sp. 7579 7584*Clonostachys rosea* 9492*Isaria farinosa* 7723 9511*Isaria tenuipes* 7735 9533*Lecanicillium* sp. 9459*Tolyposcladium cylindrosporium* 9503*Tolyposcladium inflatum* 9506

Khabarovsk

Entomophaga maimaiga 7127

Krasnodarsky Krai

Beauveria bassiana 7583 9444*Beauveria* sp. 7587*Clonostachys rosea* 9493*Cordyceps* sp. 9486*Engyodontium album* 9454*Engyodontium*(?) sp. 9476*Erynia* sp. 9537*Isaria farinosa* 7733 9512*Isaria fumosorosea* 9520*Isaria tenuipes* 7790 9531 9532*Lecanicillium muscarium* 7633*Lecanicillium psalliotae* 9473*Lecanicillium* sp. 7622*Metarhizium anisopliae* sensu lato
9541*Metarhizium* sp. 7643*Purpureocillium lilacinum* 9526 9528*Paecilomyces marquandii* 9527*Paecilomyces* sp. 7744 7745*Simplicillium lamellicola* 9481*Simplicillium lanosoniveum* 7623*Sporothrix ghanensis* 9500*Torrubiella* sp. 7223Unidentified / Hyphomycetes 9538
9539*Lecanicillium fungicola* 9482

Lipetsk Oblast

Beauveria sp. 7597

Moscow Region

Beauveria bassiana 9441 9449*Calcarisporium arbuscula* 6155*Clonostachys candelabrum* 9499*Cordyceps militaris* 9484*Engyodontium album* 7712*Engyodontium*(?) sp. 9475*Isaria coleopterorum* 9509*Isaria farinosa* 9515*Lecanicillium aphanocladii* 9461*Lecanicillium* nr. *araneorum* 9460*Lecanicillium muscarium* 9471 9472*Lecanicillium psalliotae* 9474*Lecanicillium* sp. 9458 9465 9466*Mariannaea elegans* 9456*Nomuraea rileyi* 9489*Tolyposcladium geodes* 9505

Novgorod Region

Engyodontium album 7713

Novosibirsk Region

Conidiobolus thromboides 6662*Sporothrix insectorum* 9501

Primorsky Krai

Beauveria bassiana 7581 7585 9442
9445*Beauveria* sp. 7580 7582 7586 7588
7591 7594 7598*Clonostachys rosea* 9491*Cordyceps militaris* 7809 7810*Cordyceps pruinosus* 7221*Cordyceps pseudoinsignis* 7222*Cordyceps* sp. 7808 7811 7848*Engyodontium rectidentatum* 7805*Isaria farinosa* 7714 7715 7717 7718

7720 7722 7724 7725 7726 7727 7729

7730 7731 7732 7736 7737 7739

Isaria farinosa(?) 7219*Isaria fumosorosea* 7716 7740 7743*Isaria* sp. 9517 9518*Lecanicillium aphanocladii* 9440*Lecanicillium muscarium* 7224 7620

7738 9468 9469 9477

Lecanicillium muscarium(?) 9464*Lecanicillium* sp. 7624 7625 7626 7627

7628 7629 7630 7632 7634 7635 7636

7849

Nomuraea rileyi 9490*Nomuraea* sp. 7851*Purpureocillium lilacinum* 9522*Paecilomyces marquandii* 9530*Paecilomyces* sp. 7721 7741 7742*Pochonia suchlasporia* 9495*Polycephalomyces* sp. 9496*Tolyposcladium cylindrosporium* 7812

Rostov

Beauveria bassiana 6009 6011 6013

6014 6016 6039 6040 6041 6042

Beauveria brongniartii 6023*Beauveria pseudobassiana* 6015 6022

6043

Isaria farinosa 6012 6017 6020 6044*Purpureocillium lilacinum* 6021 6024

6026

Verticillium lecanii 6025

Sakhalin Region

Beauveria bassiana 7590 7596 9443*Beauveria* sp. 7589*Evlachovaea* sp. 7600 7601*Isaria farinosa* 7719 7728 9510*Lecanicillium muscarium* 7621 9467*Metarhizium* sp. 7645*Purpureocillium lilacinum* 9523*Sporothrix insectorum* 9502

Unidentified / Hyphomycetes 7806

Tver Region

Beauveria brongniartii 9453*Elaphocordyceps ophioglossoides* 9485*Lecanicillium* sp. 9478*Paecilomyces marquandii* 9529*Tolyposcladium geodes* 9504

Tyumen Oblast

Tolyposcladium inflatum 9507**Saint Lucia***Lecanicillium psalliotae* 8890**Scotland**

Grampian

Beauveria caledonica 2567**Senegal***Fusarium nygamai* 2316

Region of Kaolack

Metarhizium acridum 6421**Solomon Islands***Calcarisporium ovalisporum* 2035
2036*Metarhizium anisopliae* sensu lato

4290 4333 4334 4335 4336 4337 4338

4339 4340 4341 4557 4558 4572 4582

Metarhizium pingshaense 4342 4610

Guadalcanal

Calcarisporium ovalisporum 1907*Entomophaga* sp. 1881*Gibellula clavulifera* var. *alba* 1909*Hirsutella citrififormis* 1913*Lecanicillium lecanii* 1905*Metarhizium flavoviride* var. *minus*

1763 1764 1765 1766 1767 1768 1769

1770 1771 1772 1773

Nomuraea atypicola 1904*Nomuraea rileyi* 1879 1893*Sporothrix* sp. 1908*Torrubiella ratticaudata* 1915 1916**South Africa***Cladosporium* sp. 6226*Fusarium* sp. 6102

Cape Province

Beauveria bassiana 6973 6974 6975

6976 6977 6981 6982 6984

Beauveria pseudobassiana 6971*Conidiobolus* sp. 6659*Gliocladium* sp. 6632*Isaria farinosa* 6607 6611

Unidentified sp. 3374

Zoophthora radicans 6605

Free State

Beauveria bassiana 5704 6978 6979

6980

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<i>Isaria farinosa</i> 7094	<i>Smittium megazygosporum</i> (?) 9027	<i>Aspergillus ochraceus</i> 2833
<i>Isaria fumosorosea</i> 3889	Kentucky	<i>Basidiobolus</i> sp. 270
<i>Lecanicillium muscarium</i> 7034 7037	<i>Beauveria bassiana</i> 2270	<i>Beauveria bassiana</i> 2831 3404 3530
<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria brongniartii</i> 2271	8998
9217 9218	<i>Isaria farinosa</i> 2269	<i>Beauveria brongniartii</i> 7376
<i>Metarhizium brunneum</i> 3045	<i>Lecanicillium muscarium</i> 810	<i>Beauveria pseudobassiana</i> 3529
<i>Metarhizium pingshaense</i> 3044	<i>Pandora neoaphidis</i> 3411 3412 3459	<i>Conidiobolus adiaeretus</i> 451
<i>Metarhizium robertsii</i> 3043	Unidentified sp. 3239	<i>Candida</i> sp. 1877
<i>Paecilomyces reniformis</i> 7040 7041	Unidentified / Hyphomycetes 5244	<i>Entomophaga maimaiga</i> 5377 5378
<i>Smittium culisetae</i> 9014 9026 9047	Louisiana	5379 5380 5381 5382 5383 5384 5385
9098 9099 9100 9101 9102 9103 9104	<i>Basidiobolus ranarum</i> 2787	5386 5387 5388 5389 5390
9105 9106	<i>Beauveria bassiana</i> 6906 6907 6908	<i>Fusarium polyphialidicum</i> 3696
<i>Sporothrix</i> sp. 7038 7042	<i>Candida</i> sp. 1857	<i>Furia gastropachae</i> 5545 5546
Idaho	<i>Conidiobolus coronatus</i> 2715	<i>Fusarium</i> sp. 3532
<i>Beauveria bassiana</i> 2336 2860 2861	<i>Conidiobolus lamprauges</i> 2338	<i>Hirsutella</i> sp. 8999
2864 2879 2880 2881 2882 2883	<i>Conidiobolus osmodes</i> 193 447	<i>Isaria farinosa</i> 2131 2835 3492 3498
10926 11246 11247 11248 11249	<i>Conidiobolus rhyosporus</i> 448	3507 3524 3526 3666
11250 11346 11375 11417 11419	<i>Lagenidium giganteum</i> 749	<i>Penicillium</i> sp. 2834 2836
11420 11422 11447 11448 11505	<i>Metarhizium anisopliae</i> sensu lato	<i>Schizangiella serpentina</i> 203
11519 11530 11550 11573 11575	6909 6910 6911 8015	<i>Syspastospora parasitica</i> 7285
11917 11966 12100 12103 12110	<i>Smittium culisetae</i> 9024	Massachusetts
<i>Beauveria pseudobassiana</i> 11105	Maine	<i>Acremonium</i> sp. 5773
<i>Conidiobolus coronatus</i> 2812 2813	<i>Batkoa apiculata</i> 129 174	<i>Beauveria bassiana</i> 1 3037 5169 5170
2814	<i>Beauveria bassiana</i> 252 353 8383 8384	5171 5770 5796
<i>Conidiobolus thromboides</i> 2828 2829	8385 8386 8387 8388 8389 8390 8391	<i>Entomophaga maimaiga</i> 2779 5564
2849 2850	8392 8393 8394 8395 8396 8397 8398	6004 6005 6269 6270 6271 6272 7123
<i>Fusarium</i> sp. 2333 2337	8399 8400 8401 8402 8403 8404 8405	7124 7125 7126 7137 7138
<i>Lecanicillium muscarium</i> 2334 2858	8406 8407 8408 9550 9558 9559 9560	<i>Fusarium polyphialidicum</i> 3694
2862 2877 2878	9561 9562 9563 9564 9565 9566	<i>Fusarium</i> sp. 5803 5825
<i>Lecanicillium psalliotae</i> 2332	<i>Beauveria brongniartii</i> 7058	<i>Geotrichum</i> (?) sp. 5823
<i>Metarhizium</i> sp. 9946 9948 9949 9956		
10017 10032 10074 10075 10089		

<i>Isaria farinosa</i> 3 5178 5774 5775 5776 5784 5788 5790 5792 5797 5799 5800 5801 5802 5830	<i>Mucor circinelloides</i> 6470	<i>Metarhizium anisopliae</i> sensu lato 6930
<i>Isaria</i> sp. 11630	<i>Purpureocillium lilacinum</i> 8268 8269	<i>Metarhizium</i> sp. 9748 9754 9880 9981 9982 9983 9999 10050 10051 10054 10103
<i>Lecanicillium</i> (?) sp. 9369	Unidentified / Hyphomycetes 8155 8179 8183 8184	<i>Sorospora</i> sp. 377
<i>Lecanicillium lecanii</i> 5785 5787 5794 5829	<i>Zoophthora radicans</i> 2977 2978 2979 2980	Nebraska
<i>Lecanicillium muscarium</i> 5165 5778 5779 5780 5782 5791 5798 5828	Minnesota	<i>Beauveria bassiana</i> 3111 3112 10483 10564 10565 10567 10573 10574 10578 10583 10599 10603 10605 10606 10607 10629 10631 10639 10741 10746 10748 10749 10751 10752 10754 10755 10756 10757 10759 10760 10766 10767 10771 10773 10774 10800 10801 10802 10803 10805 10807 10808 10812 10813 10814 10815 10820 10825 10833 10834 10836 10842 10843 10844 10849 10851 10853 10855 10856 10858 10860 10869 10870 10871 10873 10876 10877 10878 10879 10880 10881 10921 11026 11027 11028 11029 11030 11036 11037 11038 11039 11040 11041 11042 11043 11044 11045 11046 11047 11048 11075 11076 11077 11078 11079 11080 11081 11082 11188 11584 11588 11589 11601 11874 11971 11976 11977 11978 11982 11983 11984 11991 11992 11993 11994 11995 11997 11999 12000 12001 12002 12003 12006 12022 12095 12096 12097 12098 12104 12106 12109 12111 12112 12113 12119 12121 12135 12136 12138 12139 12143 12144 12147 12148 12153 12154 12159 12161 12183 12184 12189 12191 12192
<i>Lecanicillium muscarium</i> (?) 5777	<i>Beauveria pseudobassiana</i> 8045 8046	<i>Beauveria pseudobassiana</i> 10616 10753 10772
<i>Lecanicillium</i> sp. 3259 3260 9175 9176 11648	<i>Conidiobolus thromboides</i> 11664	<i>Entomophthora schizophorae</i> 5348
<i>Mariannaea</i> sp. 3261 3262 3263	<i>Pandora neoaphidis</i> 11663	<i>Isaria</i> sp. 12190
<i>Metarhizium anisopliae</i> sensu lato 6389 9590	<i>Smittium culisetae</i> 9096	<i>Metarhizium</i> sp. 9637 9658 9659 9660 9662 9663 9664 9665 9666 9667 9668 9669 9670 9671 9672 9673 9674 9675 9676 9677 9678 9679 9680 9681 9682 9683 9684 9685 9687 9689 9690 9691 9692 9694 9695 9697 9698 9700 9706 9708 9709 9710 9711 9712 9713 9714 9715 9716 9717 9718 9719 9720 9721 9722 9723 9724 9725 9733 9734 9735 9736 9737 9738 9739 9740 9745 9746 9747 9750 9776 9777 9778 9780 9781 9782 9783 9784 9785 9786 9787 9788 9789 9790 9791 9792 9793 9794 9795 9796 9797 9798 9799 9800 9801 9802 9803 9804 9805 9806 9807 9808 9809 9810 9811 9812 9813 9814 9815 9816 9818 9819 9820 9821 9822 9823 9824 9825 9826 9839 9849 9850 9851 9852 9853 9854 9855 9856 9857 9858 9859 9860 9861 9862 9863 9864 9865 9866 9867 9868 9869 9870 9871 9872 9873 9874 9875 9876 9877 9878 9886 10001 10002 10003 10005 10006 10007 10008 10010 10011 10328
<i>Metarhiziopsis microspora</i> 8984 8985	<i>Smittium simulii</i> 9043 9118 9134	
<i>Paecilomyces</i> sp. 5179 5180	Mississippi	
<i>Penicillium</i> sp. 3036	<i>Beauveria bassiana</i> 8317 8889	
<i>Pochonia bulbillosa</i> (?) 3035	<i>Evolachovaea</i> sp. 7372	
<i>Scopulariopsis</i> sp. 5164	<i>Lecanicillium muscarium</i> 7375	
<i>Trichoderma lignorum</i> 5176	<i>Metarhizium</i> sp. 10324	
<i>Verticillium lecanii</i> 5781 5783 5786 5789 5793 5820	<i>Nomuraea atypicola</i> 7130	
Michigan	<i>Nomuraea rileyi</i> 135	
<i>Aspergillus flavus</i> 6469	Unidentified / Hyphomycetes 5245 5246 5247 5248	
<i>Aspergillus</i> sp. 6571	Missouri	
<i>Beauveria bassiana</i> 2580 5813 7160 7161 7162 7163 7165 8189 8190 8191 8192 8193 8194 8195 8260 8261 8262 8263 8271 8272 8273 8274 8275 8276 8771 8772 8773 8774	<i>Capniomyces stellatus</i> 9258	
<i>Beauveria bassiana</i> (?) 8801 8802 8803 8804 8805 8807 8808 8809 8810 8811 8812 8813 8814 8815 8816 8817 8818 8819	<i>Nomuraea rileyi</i> 762	
<i>Beauveria</i> sp. 8110 8111 8112 8113 8116 8117 8119 8120 8121 8122 8123 8124 8125 8126 8127 8128 8129 8130 8132 8133 8134 8135 8136 8137 8138 8139 8140 8141 8143 8144 8145 8146 8147 8148 8149 8150 8151 8152 8153 8154 8156 8158 8159 8160 8161 8164 8166 8167 8168 8169 8170 8171 8172 8173 8174 8175 8176 8177 8178 8180 8181 8182 8185 8186 8187 8188	<i>Smittium</i> sp. 9121 9145	
<i>Beauveria</i> sp. 8110 8111 8112 8113 8116 8117 8119 8120 8121 8122 8123 8124 8125 8126 8127 8128 8129 8130 8132 8133 8134 8135 8136 8137 8138 8139 8140 8141 8143 8144 8145 8146 8147 8148 8149 8150 8151 8152 8153 8154 8156 8158 8159 8160 8161 8164 8166 8167 8168 8169 8170 8171 8172 8173 8174 8175 8176 8177 8178 8180 8181 8182 8185 8186 8187 8188	Montana	
<i>Conidiobolus</i> sp. 1967	<i>Beauveria amorphia</i> 10650	
<i>Entomophaga maimaiga</i> 6523 6524 6626 6627 6628 6629 6630 6652 6653 6654 6655 6656 6657 6663 6664 6665 6666 6667 6668 6724 6725 6726 6727 6728 6729 7101 7102 7103 7106 7107 7108 7109 7110 7111 7115	<i>Batkoa apiculata</i> 3088 3091	
<i>Fusarium</i> sp. 8131 8266 8267	<i>Beauveria bassiana</i> 6929 6931 6932 6933 6934 6935 6936 6937 6938 6939 6940 6941 6942 6943 6944 6948 6949 6950 6951 6952 6953 6954 6955 6956 6957 10649 10655 10656 10700 10704 11025 11031 11032 11033 11034 11035 11056 11057 11058 11059 11060 11061 11062 11063 11064 11065 11066 11069 11070 11071 11072 11073 11264 11265 11266 11267 11270 11271 11272 11273 11274 11275 11276 11277 11295 11299 11300 11301 11302 11303 11308 11309 11310 11314 11373 11414 11415 11421 11434 11435 11436 11437 11467 11470 11547 11553 11561 11565 11576 11581 11597 11916 12013 12014 12015 12016 12017 12020 12021 12107 12108 12125 12151 12208 12209 12210 12211 12240 12241 12242 12243 12244 12245 12246 12247 12248	
<i>Hirsutella nodulosa</i> 5473	<i>Beauveria pseudobassiana</i> sensu lato 12356 12357 12358 12359 12360 12361 12362 12363 12364 12365 12366 12367 12368 12369 12370 12371 12372 12373 12374 12375 12376 12377 12397 12398 12399 12400 12401 12402 12403 12404 12405 12406 12407 12408	
<i>Isaria farinosa</i> 9944 9945	<i>Beauveria pseudobassiana</i> 10648 10701 10703 11067 11068 11074	
<i>Isaria farinosa</i> (?) 8806	<i>Beauveria</i> sp. 32	
<i>Isaria fumosorosea</i> 8142	<i>Conidiobolus obscurus</i> 3089 3090 3092	
<i>Lecanicillium lecanii</i> 7181 7182 8115	<i>Conidiobolus thromboides</i> 22 2914	
<i>Lecanicillium muscarium</i> 8114 8118 8157 8163 8165	<i>Entomophaga calopteni</i> 408	
<i>Lecanicillium muscarium</i> (?) 8162 8265		
<i>Metarhizium anisopliae</i> sensu lato 8196 8197 8198 8199 8270 8653 8654 8655 8656 8657 8658 8659		
<i>Metarhizium robertsii</i> 1968		

10332 10333 10337 10338 10339	New Mexico	5054 5055 5056 5057 5058 5059 5060
<i>Myriodontium keratinophilum</i> 11998	<i>Aspergillus</i> sp. 12051	5061 5062
<i>Smittium culisetae</i> 9246	<i>Beauveria bassiana</i> 8601 11400 11492	<i>Elaphogordyceps ophioglossoides</i> 4826
Nevada	11970 11979 11990 12124	4827 4828 4829 4830 4831 4832 4833
<i>Ascosphaera aggregata</i> 689	<i>Penicillium</i> sp. 12049	4834 4835 4836 4837
<i>Beauveria bassiana</i> 11149 11151	Unidentified / Hyphomycetes 12027	<i>Ophiogordyceps variabilis</i> 4080 5365
11152 11153 11194 11195 11196	12028	5366 5367 5414 5415 5416 5417 5418
11208 11209 11210 11211 11227	New York	5419 5420 5421 5422 5423 5424 5425
11228 11229 11258 11316 11327	<i>Arthrobotrys oligospora</i> var. <i>oligospora</i>	5426 5427 5428 5429
11329 11331 11332 11333 11334	3369 3370	<i>Conidiobolus</i> sp. 7942 8429 11763
11337 11343 11347 11348 11349	<i>Drechslerella dactyloides</i> 3371 3372	<i>Conidiobolus stromoideus</i> 8430
11350 11351 11471 11476 11532	3373 4955	<i>Conidiobolus thromboides</i> 3129 7209
11546 11551 11555 11558 11559	<i>Arthrobotrys oligospora</i> 4967 5411	7210 7211
11572 11600 11606 11893 11894	<i>Aspergillus</i> sp. 6604	<i>Drechmeria coniospora</i> 3354
11895 11896 11897 11899 11900	<i>Basidiobolus haptosporus</i> 8307 8309	<i>Entomophaga aulicae</i> 3016 3039 3212
11964 11975 11980 11981 11996	<i>Basidiobolus ranarum</i> 8308	3602
12009 12011 12018 12019 12105	<i>Batkoa apiculata</i> 3130 3136 3140	<i>Entomophaga conglomerata</i> 2273
12123 12187 12188	<i>Batkoa major</i> 2936 3102 3103	<i>Entomophaga macleodii</i> 382 499
<i>Lecanicillium lecanii</i> (?) 11972	<i>Batkoa</i> sp. 3131 7370	<i>Entomophaga maimaiga</i> 3052 3053
<i>Metarhizium robertsii</i> 10000	<i>Beauveria bassiana</i> 350 534 535 536	3828 3829 3830 3831 3832 3833 3834
<i>Metarhizium</i> sp. 9980 10009 10012	1038 1039 1081 1619 1620 1621	3835 4508 4509 4510 4549 4550 4551
10015 10016 10019 10024 10025	1622 1623 1624 1704 1705 1706 1707	5391 5392 5393 5394 5395 5396 5397
10026 10063 10064 10065 10072	1708 1709 1710 1711 1712 1713 1721	5398 5399 5400 5401 6625
10073 10076 10317	1722 1723 1749 1750 1775 1776 1777	<i>Engyodontium album</i> 6002
New Hampshire	1778 1779 1780 1781 2030 2031 2032	<i>Engyodontium aranearum</i> 6441
<i>Acremonium bactrocephalum</i> 10169	2033 2034 2953 3460 3667 4462 4463	<i>Entomophthora muscae</i> 454 556 557
<i>Acremonium</i> (?) sp. 9368	4464 4523 4524 4525 4526 4527 4528	651 803 826 2014 3074 7371
<i>Beauveria bassiana</i> 10139	4529 4530 4531 4532 4533 4534 4535	<i>Erynia aquatica</i> 750 764
<i>Conidiobolus</i> sp. 11650	4536 4537 4538 4539 4540 4543 4688	<i>Erynia conica</i> 2274 2275
<i>Doratomyces</i> (?) sp. 9367	4691 4692 4693 4694 4695 4696 4697	<i>Erynia rhizospora</i> 801 2276
<i>Entomophaga maimaiga</i> 2780	4973 4974 4975 4976 4977 4978 4979	<i>Erynia sepulchralis</i> 12250
<i>Eurotiomycetes, genus undetermined</i>	5339 5340 5341 5342 5343 5344 5345	<i>Erynia</i> sp. 5352
9360 9361	5346 5347 5533 5534 5535 5536 5537	<i>Fusarium polyphialidicum</i> 3692 3693
<i>Eulachovaea</i> sp. 11788	5808 6150 6151 6152 6153 6216 6217	5351
<i>Exophiala</i> sp. 9362	6391 6578 6986 6987 6988 7158 7159	<i>Furia gastropachae</i> 5541 5542 5543
<i>Fusarium</i> sp. 11790	7179 8237 8238 8239 8240 8241 8242	5544 5547
<i>Hirsutella homalodiscae</i> (?) 10133	8243 8244 8245 8246 8247 8412 8413	<i>Furia pieris</i> 781
<i>Hirsutella rhossiliensis</i> 11820	9551 9552 9553 9554 9555 9556 9557	<i>Fusarium oxysporum</i> 4963 4964
<i>Isaria farinosa</i> 11823	11848	<i>Fusarium</i> sp. 4825 4956 4962
<i>Lecanicillium evansii</i> (?) 11785	<i>Beauveria bronngniartii</i> 6213 6214	<i>Gibellula</i> sp. 8927
<i>Lecanicillium fusisporum</i> (?) 10184	6215	<i>Gliocladium roseum</i> 3001
<i>Lecanicillium muscarium</i> 10178 11803	<i>Batrachochytrium dendrobatidis</i> 7191	<i>Haptocillium balanoides</i> 3173
11818	<i>Beauveria</i> sp. 12339 12340 12341	<i>Harposporium anguillulae</i> 4954 5407
<i>Lecanicillium psalliotae</i> 10177	12342 12343 12344 12345 12346	5408 5409
<i>Lecanicillium</i> sp. 9924 9925 9926	<i>Conidiobolus adiaeretus</i> 8427	<i>Harposporium botuliforme</i> 10275
10206 10207 10302 10303 10304	<i>Calcarisporium arbuscula</i> 5999	<i>Harposporium cocleatum</i> 9382
10305 10306	<i>Conidiobolus coronatus</i> 3087 3099	<i>Harposporium spirosporium</i> 8821
<i>Mariannaea</i> sp. 3258 10185 10204	3109 7922	10271
10205	<i>Conidiobolus iuxtagenitus</i> 7944	<i>Hirsutella browmorum</i> 3509
<i>Metarhiziopsis microspora</i> 11851	<i>Cladosporium</i> sp. 4795	<i>Hirsutella rhossiliensis</i> 3207 3765
<i>Myriangium</i> sp. 9915 9916 9917 9918	<i>Conidiobolus megalotocus</i> 8428	<i>Hymenostilbe verrucosa</i> 2002
9919	<i>Conidiobolus obscurus</i> 3132 3133 3134	<i>Isaria farinosa</i> 648 697 2564 3017
<i>Phoma</i> sp. 9923	3135 3137 3138 3139 3141	3152 3461 3595 3596 3597 3598 3599
<i>Rhinochadiella</i> (?) sp. 9365 9922	<i>Colletotrichum fioriniae</i> 10219 10220	4090 5548 8411 10165 11835
<i>Tolypocladium inflatum</i> 3398	10221 10222 10223	<i>Isaria fumosorosea</i> 4698 4699 4700
<i>Tripaspermum</i> sp. 9363	<i>Cordyceps militaris</i> 4081 4082 4083	4701 4702 4703 4704 4705 4706 4707
Unidentified / Hyphomycetes 9364	4084 4085 4086 4087 4088 4089 4838	4708 4709 4710 4711
9366 10307	4839 4840 4841 4842 5002 5003 5004	<i>Isaria</i> sp. 10162
New Jersey	5005 5006 5007 5008 5009 5010 5011	<i>Isaria tenuipes</i> 5134 5135
<i>Fusarium</i> sp. 3030 3031 3032 10311	5012 5013 5014 5015 5016 5017 5018	<i>Lecanicillium</i> nr. <i>aranearum</i> 11811
10312 10313 10388 10389 10390	5019 5020 5021 5022 5023 5024 5025	<i>Lecanicillium evansii</i> (?) 11796
10391 11655	5026 5027 5028 5029 5030 5031 5032	<i>Lecanicillium fusisporum</i> 11787 11808
<i>Lecanicillium muscarium</i> 5795	5033 5034 5035 5036 5037 5038 5039	<i>Lecanicillium longisporum</i> 7923
<i>Scopulariopsis</i> sp. 10309 10310	5040 5041 5042 5043 5044 5045 5046	<i>Lecanicillium muscarium</i> 900 3600
Unidentified / Hyphomycetes 10386	5047 5048 5049 5050 5051 5052 5053	3601 8714 10173
10387 10392		

<i>Lecanicillium psalliotae</i> 4960 4965 10170 10179	<i>Tolyposcladium inflatum</i> 3790 4877 4878 4879 4880 4881 4882 4883 4884	12288 12289 12290 12291 12292 12293 12294 12295 12296 12297
<i>Lecanicillium</i> sp. 10154 10217 10218 11798	4885 4886 4887 4888 4889 4890 4891 4892 4893 4894 4895 4896 4897 4898	12298 12299 12300 12301 12302 12303 12304 12305 12306 12307
<i>Lecanicillium wallacei</i> (?) 10172	<i>Triacutus subcuticularis</i> 10260	12308 12309 12310 12311 12312 12313 12314 12315 12316 12317
<i>Leptolegnia chapmanii</i> 6718	Unidentified sp. 1922 3128	12318 12319 12320 12321 12322 12323 12324 12325 12326 12327
<i>Mariannaea elegans</i> 5338	Unidentified Entomophthorales sp. 7227 7228 7229 7230	12328 12329 12330 12331 12332 12333 12334 12335 12336 12337
<i>Mariannaea</i> sp. 3257 10150 10151	Unidentified / Hyphomycetes 2999 4689 4690	12378 12379 12380 12381 12382 12383 12384 12385 12386 12387
<i>Massospora cicadina</i> 374	Unidentified / Zygomycetes 7943	12388 12389 12390 12391 12392 12393 12394 12395
<i>Metarhizium anisopliae</i> sensu lato 1280 2548 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 4522 4819 4820 4821 4822 4823 4824 6167 8248 8249 8323 8324 8325 8326 8327 9372 9373 9374 11850	<i>Lecanicillium flavidum</i> 4519 <i>Zoophthora occidentalis</i> 2841 3027 3028 3029 3071 3073 <i>Zoophthora phytonomi</i> 202 <i>Zoophthora radicans</i> 237 238 239 800 3104 3105 3376 3377 3390 4520	<i>Fusarium</i> sp. 7382 <i>Metarhizium</i> sp. 9618 9620 9621 9622 9623 9624 9625 9626 9627 9628 9630 9631 9632 9633 9634 9635 9638 9639 9640 9642 9644 9645 9646 9647 9648 9649 9650 9656 9657 9688 9701 9702 9705 9707 9730 9760 9761 9817 9828 9829 9831 9832 9833 9834 9838 9844 9845 10325 10326 10327 10329 10330 10331 10333 10336 10340 10341 10342 10344 10345
<i>Monacrosporium cionopagum</i> 4966	North Carolina	<i>Myriodontium keratinophilum</i> 10547 <i>Syngliocladium</i> sp. 5217 <i>Syngliocladium tetanopsis</i> 4972 5497 5577
<i>Monacrosporium ellipsosporum</i> 4957 4959	<i>Candida</i> cf. <i>pseudoglebosa</i> 7146 <i>Conidiobolus brefeldianus</i> 452 <i>Conidiobolus coronatus</i> 8023 <i>Conidiobolus</i> sp. 3409 <i>Culicinomyces clavisporus</i> 372 582 583 584 585 706 <i>Hirsutella thompsonii</i> var. <i>vinacea</i> 254 <i>Isaria farinosa</i> 8770 <i>Lagenidium giganteum</i> 373 748 <i>Metarhizium anisopliae</i> sensu lato 8769	NY <i>Metarhizium anisopliae</i> sensu lato 3827 <i>Metarhizium brunneum</i> 3826
<i>Metarhiziopsis microspora</i> 8986 8987 8988 11842	<i>Metarhizium robertsii</i> 23 <i>Neozygites</i> sp. 662 <i>Scopulariopsis brevicaulis</i> 9943 <i>Septobasidium burtii</i> 7097 7098 <i>Smittium culisetae</i> 7100 Unidentified sp. 3739	Ohio <i>Beauveria bassiana</i> 296 306 307 <i>Engyodontium araneorum</i> 2929 2935
<i>Metarhizium robertsii</i> 1298 1878 2547 3108 3211 4123 8321 8322	North Dakota <i>Beauveria bassiana</i> 5466 5467 6945 6946 6947 10479 10482 10484 10485 10486 10487 10488 10489 10496 10497 10498 10500 10503 10504 10508 10511 10512 10513 10514 10517 10519 10520 10521 10523 10524 10525 10527 10528 10529 10530 10536 10537 10538 10542 10543 10546 10549 10561 10586 10600 10601 11502 11566 11567 11591 11592 11593 11594 11595 11596 11598 12131 12133 12142 12152 12160 12162 12185 12196 12197 12198 12199 12200 12201 12202 12203 12204 12205 12206 12207 12212 12213 12214 12215 12216 12217 12218 12219 12220 12221 12222 12223 12224 12225 12226 12227 12228 12229 12230 12231 12232 12233 12234 12235 12236 12237 12238 12239	Oklahoma <i>Beauveria bassiana</i> 10568 10569 10579 10581 10584 10585 10587 10612 10780 11599 11607 11608 <i>Beauveria pseudobassiana</i> 2455 <i>Smittium acutum</i> 9092 <i>Smittium caudatum</i> 9000 9261 <i>Smittium stenosporum</i> 9023
<i>Myriangium</i> sp. 11854 11855 11857		Oregon <i>Acremonium berkeleyanum</i> 2067 <i>Acrodontium crateriforme</i> 2070 <i>Aphanocladium album</i> 5998 <i>Ascosphaera aggregata</i> 690 <i>Ascosphaera apis</i> 691 692 <i>Ascosphaera atra</i> 693 <i>Ascosphaera proliperda</i> 6363 <i>Aspergillus</i> sp. 6364 <i>Beauveria bassiana</i> 201 2054 5997 7356 7357 7358 7359 7362 7363 7364 7365 10576 10611 10625 10632 11289 11366 11367 11383 11385 11406 11407 11445 11446 11533 11534 11583 11967 12145 12156
<i>Myriangium duriaei</i> 8924 8925		<i>Beauveria brongniartii</i> 10277 10278 10279 10280 <i>Beauveria pseudobassiana</i> 10575 10594 10598 10618 10623 10628 <i>Beauveria</i> sp. 11387 <i>Elaphocordyceps capitata</i> 8009
<i>Neozygites floridana</i> (?) 5201 5202 5376		
<i>Paecilomyces carneus</i> 11836		
<i>Purpureocillium lilacinum</i> 9371		
<i>Pandora delphacis</i> 3062 3072 3093 3094 3095 3096 3106 3107		
<i>Pandora dipterigena</i> 1887 1921 1923		
<i>Pandora neoaphidis</i> 1570 2583 2584 2585 2587 2588 2589 2591 2592 2593 2594 2754 2755 2756 2757 2758 2760 2761 2762 2763 2766 2767 2768 2769 2773 2781 2782 2783 2784 2837 2838 2839 2840 2842 2844 2845 2846 2847 2848 2851 2852 2853 2854 2855 2856 2865 2866 2867 2868 2870 2872 2873 7212 7213 7214 7226 8607		
<i>Penicillium</i> sp. 6603		
<i>Penicillium vulpinum</i> 7057		
<i>Pochonia bulbillosa</i> 11800		
<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i> 11801 11810		
<i>Pochonia</i> sp. 10261		
<i>Polycephalomyces tomentosus</i> 5353		
<i>Pseudomeria mucosa</i> 8993 9383 9384 10272		
<i>Rotiferophthora angustispora</i> 8991 9385 9386		
<i>Rotiferophthora barronii</i> 10267		
<i>Rotiferophthora brevipes</i> 8994		
<i>Rotiferophthora cylindrospora</i> 8992 9547 9548 10273		
<i>Rotiferophthora denticulospora</i> 9549		
<i>Rotiferophthora globospora</i> 8995		
<i>Rotiferophthora guttulaspora</i> 10269		
<i>Rotiferophthora intermedia</i> 10270		
<i>Rotiferophthora ovispora</i> 10274		
<i>Rotiferophthora</i> sp. 9542 9543 10263 10264 10265 10266		
<i>Smittium culicis</i> 9011		
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<i>Syspastospora parasitica</i> 5375		

<i>Entomophaga macleodii</i> 4948 4949 4950 4951 4952 4953	<i>Hypocrella phyllogena</i> 7401 7369	<i>Cordyceps cardinalis</i> 7192 7193 7194
<i>Fusarium avenaceum</i> 2060	<i>Lecanicillium lecanii</i> 7385 7408	<i>Conidiobolus</i> sp. 8313 8314
<i>Fusarium merismoides</i> 2059	<i>Lecanicillium</i> sp. 7407	<i>Isaria cateniannulata</i> 8310
<i>Humicola</i> sp. 2069	<i>Metarhizium</i> sp. 7389	<i>Macrobotophthora vermicola</i> 650
<i>Isaria farinosa</i> 2057 2937 5996	<i>Paecilomyces</i> sp. 7075 7388	<i>Smittium culisetae</i> 9039 9058 9069 9071 9113
<i>Lecanicillium muscarium</i> 2065 2066	<i>Tilachlidium</i> sp. 7072	<i>Smittium culicis</i> 9010
<i>Metarhizium anisopliae</i> sensu lato 7494	<i>Torrubiella</i> sp. 7088	<i>Smittium lentaquaticum</i> 9068 9082 9253
<i>Metarhizium brunneum</i> 2107	Unidentified sp. 7070	<i>Smittium orthocladii</i> 9080
<i>Mortierella histoplasmatoides</i> 2063	Unidentified / Hyphomycetes 7074 7076 7078 7081 7086 7384 7386 7392	<i>Smittium</i> sp. 9038 9070 9081 9148
<i>Mortierella hyalina</i> 2061	Rhode Island	Unidentified / Hyphomycetes 5242 5243
<i>Metarhizium</i> sp. 4998 5000 5076 5077 9699 9729 9751 10078 10081 10082 10104 10105 10126 10314	<i>Beauveria bassiana</i> 317 318	Texas
<i>Myriodontium keratinophilum</i> 12155	<i>Colletotrichum</i> sp. 12083	<i>Ascosphaera apis</i> 2683 7405 7406
<i>Paecilomyces</i> sp. 8004	<i>Fusarium</i> sp. 12072 12073 12074 12075 12076 12077 12078 12079 12084	<i>Aspergillus parasiticus</i> 5470
<i>Penicillium thomii</i> 2056	<i>Lecanicillium</i> sp. 12052 12053 12054 12055 12056 12057 12058 12059 12060 12061 12062 12063 12064 12065 12066 12067 12068 12069 12070 12071	<i>Aspergillus</i> sp. 7048
<i>Phialophora malorum</i> 2072	<i>Penicillium</i> sp. 5733	<i>Beauveria bassiana</i> 3097 5465 7795 9355 10582 10602 10610 10624 10679 10681 10682 10683 10684 10685 10686 10687 10689 10691 10692 10693 10694 10695 10696 10697 10698 10758 10761 10762 10763 10764 10765 10769 10775 10776 10777 10778 10779 10781 10782 10783 10784 10785 10786 11103 11104 11118 11119 11120 11124 11125 11126 11127 11128 11129 11130 11140 11141 11142 11143 11144 11199 11200 11201 11202 11203 11204 11205 11207 11212 11213 11214 11215 11221 11224 11237 11269 11280 11281 11288 11291 11321 11322 11508 11509 11510 11511 11522 11535 11536 11537 11538 11539 11544 11548 11552 11554 11602 11888 11889 11890 11892 12023 12024 12120 12122
<i>Phoma cava</i> 2071	<i>Rhinocladiella(?)</i> sp. 12080 12081 12082	<i>Beauveria pseudobassiana</i> 10688
<i>Pochonia suchlasporia</i> var. <i>catenata</i> 2064	Unidentified / Hyphomycetes 12085	<i>Beauveria</i> sp. 11743 11744
<i>Smittium</i> sp. 9051 9086	South Carolina	<i>Candida</i> sp. 5729
Sterile mycelium 2073	<i>Arthrotrichum oligospora</i> 3347	<i>Conidiobolus</i> sp. 2819 2928
<i>Trichothecium roseum</i> 2055	<i>Leptolegnia chapmanii</i> 2681	<i>Fusarium</i> sp. 5332 12032 12033 12034 12035 12036 12037 12040
Unidentified sp. 2528	<i>Metarhizium robertsii</i> 2575	<i>Hirsutella thompsonii</i> 259
Unidentified / Hyphomycetes 5199	<i>Saprolegnia</i> sp. 6427	<i>Isaria farinosa</i> 3572 3574 3575 3576 3578 3579 3580 3582 3583 3584 3585 3586 3587 3588 3589 3591 3592 3593 5306
Pennsylvania	<i>Smittium culisetae</i> 6810 9032 9056	<i>Isaria fumosorosea</i> 3581 3590 3594 4487 4488 5251 5252 5253 5254 5255 5256 5257 5258 5260 5261 5262 5263 5264 5265 5266 5267 5268 5269 5270 5271 5307 5308 5309 5310 5311 5312 5313 5314 5315 5316 5317 5318 5319 5320 5322 5323 5324 5325 5326 5330 5331 5462 5463 5464
<i>Aphanomyces</i> sp. 2005	<i>Smittium megazygosporum</i> 6275 9037	<i>Isaria javanica</i> 3573 3577 3776 3778 5259 5321 7119
<i>Beauveria bassiana</i> 2976 5493 5494	<i>Smittium morbosum</i> 9060 9061	<i>Isaria poprawskii</i> 7028
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<i>Catenaria anguillulae</i> 2015	<i>Beauveria bassiana</i> 2579 10490 10491 10493 10494 10495 10501 10502 10518 10522 10526 10532 10548 10609 10638 10640 10654 10680 10702 10787 10791 10792 10793 10794 10795 10797 10798 10804 10809 10810 10811 10821 10822 10826 10831 10835 10837 10838 11292 11293 11294 11296 11297 11298 11313 11317 11328 11335 11336 11338 11339 11340 11341 11342 11364 11376 11379 11396 11399 11401 11408 11449 11450 11457 11459 11461 11462 11463 11480 11485 11487 11488 11512 11521 11545 11579 11986 11987 12130 12132	<i>Metarhizium anisopliae</i> sensu lato 5469 11742
<i>Cordyceps militaris</i> 8012	<i>Entomophaga calopteni</i> 498	<i>Metarhizium anisopliae</i> sensu stricto 5471
<i>Entomophaga maimaiga</i> 7120 7121 7122 7131 7132 7133 7134 7135 7136 7190 7352 7353	<i>Metarhizium</i> sp. 9629 9696 9741 9752 9753 9758 9759 9836 9840 9841 9846 9847 9848 10058 10059 10060 10068 10079 10085 10101 10102 10108 10109 10110 10315 10323 10343	
<i>Fusarium polyphialidicum</i> 3916	<i>Pochonia</i> sp. 12195	
<i>Fusarium</i> sp. 11948 11949 11950	Tennessee	
<i>Hirsutella rhossikiensis</i> 2006 2007 2008 3744 3745 3746	<i>Amoebidium appalachense</i> 9181 9255 9256	
<i>Isaria farinosa</i> 20 3221 3491 3499 3500 3506 3523	<i>Beauveria amorpha</i> 6376 6577	
<i>Lagenidium caudatum</i> 2003	<i>Batkoa</i> sp. 12251	
<i>Lecanicillium</i> sp. 3253 3254 3255	<i>Barbatospora ambicaudata</i> 9020	
<i>Leptolegnia</i> sp. 2004	<i>Conidiobolus adiaeretis</i> 8320	
<i>Mariannaea</i> sp. 3252		
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<i>Acremonium</i> sp. 7402		
<i>Aschersonia aleyrodinis</i> 7393 7394		
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<i>Aschersonia</i> sp. 5215 7071 7073 7077 7082 7083 7084 7085 7087		
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<i>Beauveria</i> sp. 7079		
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<i>Clavicipitaceae</i> anamorph 7618 7619 7687 7688 7689 7690 7691 7692 7693 7694 7695		
<i>Cordyceps militaris</i> 5804		
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<i>Hypocrella andropogonis</i> 7396 7397		

<i>Metarhizium brunneum</i> 3738	6756 6757 6758 6759 6760 6761 6762	<i>Lecanicillium muscarium</i> 11802
<i>Metarhizium</i> sp. 9661 9762 9779 9827	6763 6829 6830 6831 6832 6833 6834	<i>Lecanicillium psalliotae</i> 10175 10176
9830 9966 9967 9968 9975 10021	6835 6836 6837 6838 6839 6840 6849	10180 10181 10182
10023 10041 10042 10043 10346	6850 6860 6861 6862 6863 6989 6990	<i>Lecanicillium psalliotae</i> (?) 10183
<i>Purpureocillium lilacinum</i> 9356 9357	6991 6992 6993 6994 6995 6996 6997	<i>Lecanicillium</i> sp. 9177 9930 9931 9935
11751	6998 6999 8366	9936 10164 10187 10188 10189 10190
<i>Paecilomyces</i> sp. 3772 3774 3775 3777	<i>Metarhizium robertsii</i> 6755 6841 6842	10192 10193 10195 10196 10197
3780 3781 3782 3783 3784 3785 3786	6843 6844 6845 6846 6847 6848 6864	10198 10199 10200 10201 10202
3787 3788	6865	10203 10208 10209 10210 10211
<i>Penicillium</i> sp. 12048	<i>Metarhizium</i> sp. 9617 9653 9654 9655	10212 10213 10214 10215 10216
<i>Trichoderma</i> sp. 5730	9835 9837 9879 9947 9976 9977 9985	10287 10288 10289 10290 10291
Unidentified / Hyphomycetes 11752	9998 10022 10056	10294 10295 10296 10297 10298
12031 12043 12044 12045	<i>Metarhizium taii</i> 6750 6751 6752 6753	10299 10300 10301 12089
Utah	6754	<i>Lecanicillium wallacei</i> (?) 10174
<i>Aspergillus niger</i> 6365	<i>Smittium culicis</i> 9059	<i>Mariannaea</i> sp. 2930 3315 3316 3317
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<i>Beauveria bassiana</i> 10505 10506	<i>Acremonium bactrocephalum</i> 10166	3563 9932 9933 9934 10152 10153
10507 10509 10510 10515 10516	10167 10168	10194 11812 11813 11814
10550 10551 10552 10553 10554	<i>Beauveria bassiana</i> 3543 5172 5173	<i>Metarhizium anisopliae</i> sensu lato
10555 10556 10557 10558 10559	5278 5279 5280 5492 5495 5496	3541 3542 3544 9279 9280 9281 9282
10562 10563 10699 10770 10788	9289 9290 9291 9370 9388 9389 9390	9283 9284 9285 9286 9287 9288 9303
10789 10790 10806 10816 10817	9391 9392 9393 9394 9395 9396 9397	9304 9305 9306 9307 9308 9309 9310
10818 10819 10823 10824 10827	9398 9399 9400 9401 9402 9403 9404	9311 9312 9313 9314 9315 9316 9317
10828 10829 10830 10832 10839	9405 9406 9407 9408 9409 9410 9411	9318 9319 9320 9321 9322 9323 9324
10850 10852 10854 10857 10859	9412 9413 9414 9415 9416 9417 9418	9325 9326 9327 9328 9329 9330 9331
10861 10863 10865 10866 10867	9419 9420 9421 9422 9423 9424 9425	9332 9333 9939 10131 10135 10136
10868 10872 10874 10885 10886	9426 9427 9428 9429 9430 9431 9432	10137 11840
10887 10888 10889 10890 10891	9433 9434 9435 9436 9437 9438 9927	<i>Mixed Culture</i> sp. 5188
10892 10893 10894 10895 10896	10138 10140 10141 10142 10143	<i>Metarhizium robertsii</i> 3540
10897 10898 10899 10900 10901	10144 10145 10147 10148 10149	<i>Metarhizium</i> sp. 11839 11849
10902 10903 10904 10905 10906	11841 11844 11845 11846 11847	<i>Myriangium</i> sp. 11856
10907 10908 10909 10910 10911	<i>Beauveria bassiana</i> (?) 5182	<i>Myrothecium verrucaria</i> 9359
10912 10913 10914 10915 10916	<i>Beauveria</i> sp. 5174 5186 5187 9335	<i>Ostracoderma</i> sp. 5163
10917 10918 10919 10920 10922	9336 9337 9338 9339 9340 9341 9342	<i>Paecilomyces carneus</i> 11821
10923 10924 10925 10927 10928	9343 9344	<i>Paecilomyces marquandii</i> 9928 9929
10929 10930 10931 10932 10933	<i>Conidiobolus coronatus</i> 5162 6512	<i>Paecilomyces</i> sp. 3545 5181 5183 5184
10934 10935 10936 10937 10938	9295 9296 9913 9914	5185 5189 5190 5192 5193
10939 10940 10941 10942 10943	<i>Colletotrichum</i> sp. 10308	<i>Pandora</i> sp. 11764
10944 10945 10946 10948 10949	<i>Conidiobolus</i> sp. 5404 6505	<i>Pochonia chlamydosporia</i> 3314 3539
10950 10951 10952 10953 10954	<i>Entomophaga aulicae</i> 2843	<i>Pochonia chlamydosporia</i> var.
10955 10956 10957 10958 10959	<i>Furia gastropachae</i> 8926	<i>chlamydosporia</i> 11786
10960 10961 10962 10963 10964	<i>Fusarium</i> sp. 9937	<i>Tolypocladium cylindrosporum</i> 10146
10965 10966 10967 10968 10969	<i>Hirsutella homalodisciae</i> (?) 10134	<i>Trichoderma</i> sp. 9938
10970 10971 10972 10973 10974	<i>Hirsutella lecaniicola</i> 8888	Unidentified sp. 3560 3567 3568 3569
10975 10976 10977 10978 10979	<i>Hirsutella</i> sp. 2939 2940 3318 3546	3570 3571 9334
10980 10981 10982 10983 10984	3548 3553	Unidentified / Hyphomycetes 6503
10985 10986 10988 10989 10990	<i>Hirsutella thompsonii</i> 11819	6504 10171 10191 10281 10282 10283
10991 10992 10993 10994 10997	<i>Isaria coleopterorum</i> 10163	10284 10285 10286 10292 10293
10998 10999 11000 11001 11002	<i>Isaria farinosa</i> 3537 3538 3564 5191	12086 12087 12088 12090
11003 11004 11005 11006 11007	5194 9292 9293 9574 9575 9576 9577	Unidentified / Zygomycetes 6157
11008 11009 11010 11011 11012	9578 9579 9580 10155 10156 10157	6158 6159 6507 6508 6509 6510 6511
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11018 11020 11021 11049 11051	11824 11825 11826 11827 11828	<i>Verticillium</i> sp. 3547 3550 3551 3552
11167 11172 11187 11206 11216	11829 11830 11831 11832 11833	3556 3561
11223 11225 11226 11230 11235	11834	Virgin Islands
11236 11242 11256 11257 11560	<i>Isaria farinosa</i> (?) 9567 9568 9569	<i>Aspergillus niger</i> 7797 7798 7799
11563 11568 11577 11580 11587	9570 9571 9572 9573 9581	<i>Myrothecium</i> sp. 7804
11590 11898 11903 11913 11915	<i>Isaria fumosorosea</i> 9294 9582 9583	<i>Paecilomyces</i> sp. 7800 7801 7803
11918 11956 11961 11963 11965	9584 9585 9586	Unidentified / Hyphomycetes 7802
11973 11989 12012 12140	<i>Isaria</i> sp. 10231 10232 10233 11629	Virginia
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11050 11087	<i>Lecanicillium evansii</i> (?) 11789 11791	<i>Cladosporium</i> sp. 6442
<i>Metarhizium acridum</i> 6851 6852 6853	11792 11793 11794 11795 11797	<i>Conidiobolus pumilus</i> 453
6854 6855 6856 6857 6858 6859	11804 11805 11806 11807 11809	
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4506 4507 4552 4553 4554 4555 5568
5570 6169 6218
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3497 3501 3502 3503 3504 3505 3508
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10637 10642 10643 11290 11311
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10635 10644
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Beauveria pseudobassiana 10608
11053 11054
Entomophaga calopteni 383 390
Metarhizium sp. 9842 9843 10049
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Smittium culisetae 9062 9114 9115
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42.2a9 (EMS mutant) *Metarhizium anisopliae* sensu lato 921
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 58712 *Verticillium lecanii* 5221
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 R-14 *Verticillium* sp. 3552
 R-15 *Hirsutella* sp. 3553
 R-20.1 *Mariannaea* sp. 3554
 R-22 *Verticillium* sp. 3556
 R-23 *Mariannaea* sp. 3557
 R-25 *Mariannaea* sp. 3558
 R-27 *Mariannaea* sp. 3559
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 R-29 *Verticillium* sp. 3561
 R-31 *Mariannaea* sp. 3562
 R-34 *Mariannaea* sp. 3563
 R-38 *Isaria farinosa* 3564
 R-4 *Hirsutella* sp. 3546
 R-48 *Paecilomyces* sp. 3566
 R-6 *Verticillium* sp. 3547
 R-9 *Hirsutella* sp. 3548
 S *Mariannaea* sp. 3269
 S-1 Unidentified sp. 3571
 T *Mariannaea* sp. 3270
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 IP 951 *Beauveria brongniartii* 10278
 IP 957 *Beauveria brongniartii* 10279
 IP 969 *Beauveria brongniartii* 10280
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 IP-57 *Beauveria bassiana* 7357
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 IP-780 *Beauveria brongniartii* 10277
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 KVL 01-21 *Entomophthora muscae* 6710
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 93.1 *Beauveria bassiana* 4382
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 04:103 *Basidiobolus ranarum* 6380
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 31 *Basidiobolus ranarum* 6382
 35 *Conidiobolus pumilus* 6383
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 15 *Lecanicillium lecanii*(?) 8294
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 2.11 *Fusarium* sp. 8643
 2.14 *Fusarium* sp. 8652
 2.16 *Fusarium* sp. 8644
 2.17 *Fusarium* sp. 8645
 2.18 *Fusarium* sp. 8646
 2.19 *Fusarium* sp. 8647
 2.20 *Fusarium* sp. 8648
 2.21 *Fusarium* sp. 8649
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 2.29 *Fusarium* sp. 8650
 2.6 *Fusarium* sp. 8651
 21 *Lecanicillium lecanii* 8295
 21 *Fusarium* sp. 8305
 24 *Lecanicillium muscarium* 8296
 25 *Fusarium* sp. 8306
 29 *Lecanicillium longisporum* 8297
 3 *Fusarium* sp. 8303
 38 *Fusarium* sp. 8301
 4 *Fusarium* sp. 8298
 40 *Fusarium* sp. 8302
 6 *Fusarium* sp. 8299
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- Carroll, George C.**
 2(HO-O-Hatch IV) *Fusarium avenaceum* 2060
 3(RSRS-0/34) *Acremonium berkeleyanum* 2067
 4(HO-O-Hatch VIII) *Lecanicillium muscarium* 2066
 6(HO-O-Hatch VIII) *Lecanicillium muscarium* 2065
 B *Fusarium merismoides* 2059
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A-IV *Zoophthora radicans* 2286
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A2 soil 1 *Metarhizium anisopliae* sensu lato 8653
A2 soil 2 *Metarhizium anisopliae* sensu lato 8654
A2s5 *Beauveria bassiana*(?) 8805
A2s8 *Isaria farinosa*(?) 8806
A3s2 *Beauveria bassiana*(?) 8807
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CA6 *Beauveria bassiana* 8238
CD10 *Beauveria bassiana* 8239
CE1 *Beauveria bassiana* 8240
CE10 *Beauveria bassiana* 8241
CNC10 *Beauveria* sp. 12345
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CNG6 *Beauveria bassiana* 9551
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MI-18 *Metarhizium anisopliae* sensu lato 8197
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MI-20 *Metarhizium anisopliae* sensu lato 8199
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NY-11 *Beauveria bassiana* 6988
NY-5 *Beauveria bassiana* 6987
R3 soil 1 *Metarhizium anisopliae* sensu lato 8658
R6b1 *Beauveria bassiana*(?) 8812
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R7 soil 1 *Metarhizium anisopliae* sensu lato 8659
R7s1 *Beauveria bassiana*(?) 8817
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R8b5 *Beauveria bassiana*(?) 8815
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TB2.1-1 *Beauveria bassiana* 8210
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10 *Beauveria bassiana* 3446
11 *Beauveria bassiana* 3447
12 *Beauveria bassiana* 3448
13 *Beauveria bassiana* 3449
14 *Beauveria bassiana* 3450
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19 *Beauveria bassiana* 3455
2 *Beauveria bassiana* 3438
20 *Beauveria bassiana* 3456
21 *Beauveria bassiana* 3457
3 *Beauveria bassiana* 3439
4 *Beauveria bassiana* 3440
5 *Beauveria bassiana* 3441
6 *Beauveria bassiana* 3442

7 *Beauveria bassiana* 3443
8 *Beauveria bassiana* 3444
9 *Beauveria bassiana* 3445

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?719.70 *Tolyposcladium cylindrosporium* 961
111113 *Isaria farinosa* 7118
111238 *Beauveria bassiana* 1564
115882 *Clonostachys rosea* 7200
115883 *Clonostachys rosea* 7472
116719 *Torrubiella piperis* 7232
118231 *Lecanicillium pissodis* 8057
118466 *Isaria andoi* 1684
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218.56 *Metarhizium flavoviride* 2133
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300.94 *Monacrosporium elegans* 4810
301.94 *Monacrosporium elegans* 4805
303.94 *Monacrosporium ellipsosporum* 4803
305.95 *Tolyposcladium inflatum* 4884
308.94 *Gamsylella gephyropaga* 4817
310.66 *Basidiobolus haptosporus* var. *minor* 8331
316.51 *Metarhizium brunneum* 2107
316.51 *Metarhizium anisopliae* sensu lato 7494
318.94 *Monacrosporium psychrophilum* 4813
320.94 *Monacrosporium thaumasium* 4802
321.94 *Monacrosporium thaumasium* 4806
326.67 *Beauveria brongniartii* 7761
328.52 *Mycrothecium verrucaria* 7757
329.94 *Gamsylella lobata* 4811
332.94 *Arthrobotrys brochopaga* 4815
345.77 *Tolyposcladium extinguens* 2921
349.84 *Aschersonia placenta* 7603
384.32 *Lecanicillium muscarium* 5220

384.81 <i>Verticillium epiphytum</i> 5250	DAOM 167176 <i>Tolypocladium cylindrosporum</i> 963	CG 163 <i>Isaria amoenerosea</i> 2959
418.82 <i>Hirsutella citrififormis</i> 1035	DAOM 167320 <i>Tolypocladium nubicola</i> 3434	CG 164 <i>Isaria amoenerosea</i> 2960
418.82 <i>Hirsutella citrififormis</i> 1446	DAOM 167321 <i>Tolypocladium geodes</i> 3271	CG 165 <i>Beauveria bassiana</i> 2961
422.82 <i>Hirsutella versicolor</i> 1034	DAOM 167322 <i>Tolypocladium inflatum</i> 3280	CG 166 <i>Beauveria bassiana</i> 2962
423.82 <i>Hirsutella versicolor</i> 1037	DAOM 167323 <i>Tolypocladium geodes</i> 3272	CG 168 <i>Metarhizium anisopliae</i> sensu stricto 1883
433.73 <i>Pseudogibellula formicarum</i> 2913	DAOM 167324 <i>Tolypocladium nubicola</i> 3435	CG 181 <i>Purpureocillium lilacinum</i> 3469
450.78 <i>Hirsutella thompsonii</i> 256	DAOM 167325 <i>Tolypocladium cylindrosporum</i> 962	CG 182 Unidentified sp. 3470
451.78 <i>Hirsutella thompsonii</i> 257	DAOM 167326 <i>Tolypocladium geodes</i> 3273	CG 186 Unidentified sp. 3624
452.78 <i>Hirsutella thompsonii</i> 258	DAOM 176470 <i>Tolypocladium geodes</i> 3274	CG 187 <i>Beauveria bassiana</i> 3477
452.78 <i>Hirsutella thompsonii</i> 414	DAOM 180479 <i>Tolypocladium cylindrosporum</i> 3392	CG 188 Unidentified sp. 3475
473.73 <i>Metarhizium flavoviride</i> 2026	DAOM 180481 <i>Tolypocladium inflatum</i> 3433	CG 189 Unidentified sp. 3476
497.92 <i>Dactylella oxyspora</i> 4801	DAOM 183952 <i>Tolypocladium cylindrosporum</i> 961	CG 193 Unidentified sp. 3625
511.88 <i>Stilbella buquetii</i> 2915	DAOM 183955 <i>Tolypocladium inflatum</i> 3394	CG 262 Unidentified sp. 3626
537.81 <i>Verticillium lecanii</i> 2916	DAOM 184880 <i>Tolypocladium parasiticum</i> 3436	CG 263 Unidentified sp. 3627
544.81 <i>Metarhizium flavoviride</i> var. <i>minus</i> 2023	DAOM 185687 <i>Tolypocladium inflatum</i> 3395	CG 264 Unidentified sp. 3628
555.77 <i>Hirsutella thompsonii</i> var. <i>vinacea</i> 254	DAOM 191103 <i>Tolypocladium microsporum</i> 3431	CG 265 Unidentified sp. 3629
556.77A <i>Hirsutella thompsonii</i> 255	DAOM 191333 <i>Tolypocladium geodes</i> 3275	CG 266 Unidentified sp. 3630
556.77B <i>Hirsutella thompsonii</i> 241	DAOM 191334 <i>Tolypocladium tundrense</i> 3401	CG 268 Unidentified sp. 3631
556.77C <i>Hirsutella thompsonii</i> 253	DAOM 191336 <i>Tolypocladium geodes</i> 3276	CG 269 Unidentified sp. 3632
556.77D <i>Hirsutella thompsonii</i> 259	DAOM 191338 <i>Tolypocladium inflatum</i> 3396	CG 270 Unidentified sp. 3633
567.92 <i>Hirsutella rhossiliensis</i> 2790	DAOM 191855 <i>Beauveria caledonica</i> 2567	CG 271 Unidentified sp. 3634
600.92 <i>Harposporium cerberi</i> 5123	DAOM 198395 <i>Tolypocladium inflatum</i> 3281	CG 275 Unidentified sp. 3635
607.80 <i>Beauveria</i> sp. 2998	DAOM 199924 <i>Tolypocladium inflatum</i> 3321	CG 301 <i>Purpureocillium lilacinum</i> 1951
615.82 <i>Drechmeria coniospora</i> 2468	DAOM 210147 <i>Tolypocladium inflatum</i> 3398	CG 304 Unidentified sp. 3471
645.74 <i>Beauveria vermiconia</i> 2922	DAOM 63905 <i>Tolypocladium inflatum</i> 3320	CG 307 <i>Mixed Culture</i> sp. 3472
700.74 <i>Metarhizium flavoviride</i> var. <i>flavoviride</i> 1184	DAOM 64352 <i>Tolypocladium inflatum</i> 3277	CG 308 Unidentified sp. 3636
700.74 <i>Metarhizium flavoviride</i> 2024		CG 309 Unidentified sp. 3473
718.70 <i>Tolypocladium cylindrosporum</i> 2920		CG 310 Unidentified sp. 3474
741.73 <i>Akanthomyces gracilis</i> 2910		CG 311 Unidentified sp. 3478
745.88 <i>Mariannaea elegans</i> 5349		CG 334 Unidentified sp. 3637
746.88 <i>Mariannaea elegans</i> 5350		CG 335 Unidentified sp. 3638
755.83 <i>Culicinomyces clavisporus</i> 964		CG 339 <i>Metarhizium anisopliae</i> sensu lato 3479
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789.85 <i>Pochonia suchlasporia</i> var. <i>catenata</i> 2064		CG 347 Unidentified sp. 3641
912.70 <i>Hirsutella citrififormis</i> 1036		CG 348 Unidentified sp. 3642
944.70 <i>Harposporium helicoides</i> 5354		CG 349 Unidentified sp. 3643
952.73 <i>Hirsutella thompsonii</i> 137		CG 35 <i>Isaria fumosorosea</i> 3480
989.73 <i>Tolypocladium cylindrosporum</i> 2912		CG 350 Unidentified sp. 3644
999.73 <i>Stilbella buquetii</i> 2917		CG 351 Unidentified sp. 3645
CBS 325.94 <i>Arthrobotrys amerospora</i> 4809		CG 352 Unidentified sp. 3646
		CG 353 Unidentified sp. 3647
		CG 354 Unidentified sp. 3648
		CG 355 Unidentified sp. 3649
		CG 356 Unidentified sp. 3650
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		CG 360 Unidentified sp. 3654
		CG 361 Unidentified sp. 3655
		CG 362 Unidentified sp. 3656
		CG 363 Unidentified sp. 3657
		CG 422 Unidentified / Hyphomycetes 8640
		CG 422 <i>Lecanicillium aphanocladii</i> (?) 7985
		CG 425 <i>Beauveria bassiana</i> 7983
		CG 6 Unidentified sp. 3466
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		CG 68 <i>Beauveria bassiana</i> 3018
		CG 69 <i>Beauveria bassiana</i> 3019
		CG 725 <i>Beauveria</i> sp. 7982

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006759 <i>Lecanicillium muscarium</i> 6591
006988 <i>Tolypocladium inflatum</i> 4884
186444 (A+XB-) <i>Ascospaera larvis</i> 7945
186444(A+XB-) <i>Ascospaera larvis</i> 7946
962 <i>Tolypocladium inflatum</i> 616
DAOM 160594 <i>Tolypocladium inflatum</i> 3278
DAOM 167132 <i>Tolypocladium inflatum</i> 3432
DAOM 167133 <i>Tolypocladium tundrense</i> 3399
DAOM 167134 <i>Tolypocladium tundrense</i> 3400
DAOM 167175 <i>Tolypocladium inflatum</i> 3279

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B-4741 <i>Conidiobolus</i> sp. 2925
B-4742 <i>Conidiobolus</i> sp. 2924
B-4743 <i>Conidiobolus</i> sp. 2926
B-4744 <i>Conidiobolus</i> sp. 2927

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CG 1010 <i>Beauveria bassiana</i> 8635
CG 1011 <i>Beauveria bassiana</i> 8636
CG 123 <i>Isaria fumosorosea</i> 2956
CG 134 Unidentified sp. 3467
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CG 145 <i>Beauveria bassiana</i> 2957
CG 162 <i>Isaria amoenerosea</i> 2958

CG 826 *Lecanicillium* sp. 8639
 CG 858 *Metarhizium anisopliae* sensu stricto 7981
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 002 *Beauveria bassiana* 8369
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 019 *Nomuraea rileyi* 7479
 021 *Nomuraea rileyi* 7778
 022 *Nomuraea rileyi* 7480
 023 *Nomuraea rileyi* 7481
 034 *Nomuraea rileyi* 7484
 035 *Nomuraea rileyi* 7779
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 050 *Clonostachys rosea* 7200
 051 *Isaria fumosorosea* 7204
 052 *Zoophthora radicans* 7208
 054 *Lecanicillium muscarium* 7460
 055 *Isaria fumosorosea* 7205
 056 *Lecanicillium longisporum* 7461
 056 *Lecanicillium longisporum* 7206
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 061 *Beauveria* sp. 7463
 062 *Conidiobolus coronatus* 7203
 063 *Lecanicillium muscarium* 7781
 064 *Nomuraea rileyi* 7482
 066 *Clonostachys rosea* 7472
 069 *Beauveria bassiana* 8459
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 074 *Beauveria bassiana* 7465
 075 *Beauveria bassiana* 7466
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 080 *Beauveria bassiana* 7468
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 092 *Beauveria bassiana* 7471
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 101 *Lecanicillium longisporum* 7458
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 111 *Beauveria bassiana* 8460
 112 *Beauveria bassiana* 8520
 113 *Beauveria bassiana* 8521
 114 *Beauveria bassiana* 8522
 116 *Beauveria bassiana* 8523
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 130 *Zoophthora radicans* 7455
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 138 *Beauveria bassiana* 8461
 139 *Beauveria bassiana* 8528
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 173 *Zoophthora radicans* 7789
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049 *Fusarium* sp. 6464
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 85-7-22-1 *Isaria farinosa* 1957
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 IV *Entomophaga macleodii* 4951
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 101 *Beauveria bassiana* 956
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 104 *Beauveria bassiana* 958
 105 *Evlachovaea* sp. 959
 106 *Erynia* sp. 876
 108 *Hirsutella guyana* 878
 109 *Hirsutella guyana* 879
 110 *Erynia* sp. 880
 111 *Hirsutella guyana* 881
 112 *Hirsutella guyana* 882
 113 *Hirsutella guyana* 883
 114 *Erynia* sp. 884
 122 *Metarhizium pingshaense* 1448
 123 *Metarhizium anisopliae* sensu lato 1449
 124 *Beauveria bassiana* 1971
 125 *Beauveria bassiana* 1450
 126 *Metarhizium anisopliae* sensu lato 1989
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 129 *Zoophthora radicans* 1229
 130 *Entomophaga* sp. 1230
 131 *Zoophthora radicans* 1231
 132 *Zoophthora radicans* 1232
 133 *Zoophthora radicans* 1233
 134 *Zoophthora radicans* 1234
 136 *Zoophthora radicans* 1236
 137 *Zoophthora radicans* 1237
 138 *Pandora delphacis* 1238
 139 *Zoophthora radicans* 1239
 14 *Beauveria bassiana* 735
 140 *Furia americana* 1240
 141 *Erynia* sp. 1241
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 2030 *Metarhizium* sp. 11849
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 2032 *Metarhiziopsis microspora* 11851
 2033 *Hirsutella thompsonii* 11819
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 2035 *Isaria farinosa* 11823
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 2057 *Lecanicillium* nr. *aranearum* 11799
 2058 *Pochonia bulbillosa* 11800
 2059 *Pochonia chlamydosporia* var. *chlamydosporia* 11801
 206 *Metarhizium anisopliae* sensu lato 8780
 2060 *Lecanicillium muscarium* 11802
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 2071 *Lecanicillium* nr. *aranearum* 11811
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 2078 *Conidiobolus* sp. 11763
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 2083 *Lecanicillium lecanii* 11817
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 2086 *Myriangium* sp. 11853
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 2088 *Myriangium* sp. 11855
 2089 *Myriangium* sp. 11856
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 2090 *Myriangium* sp. 11857
 2091 *Myriangium* sp. 11858
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2109 Unidentified / Hyphomycetes 12030	2165 <i>Fusarium</i> sp. 12078	247 <i>Metarhizium anisopliae</i> sensu lato 8895
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2117 <i>Fusarium</i> sp. 12038	2173 Unidentified / Hyphomycetes 12086	260 <i>Metarhizium anisopliae</i> sensu lato 8949
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2119 <i>Fusarium</i> sp. 12040	2175 Unidentified / Hyphomycetes 12088	265 <i>Metarhizium anisopliae</i> sensu lato 8903
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- CAB252317 *Hirsutella* sp. 4776

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 cetes 10286
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 cetes 10292
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 Thr.-10-158 Unidentified / Hyphomy-
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 Thr.-10-69 *Lecanicillium psalliotae*
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 Thr.-10-76 *Lecanicillium* sp. 10190
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 Thr.-10-80 *Mariannaea* sp. 10194
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 Thr.-10-92 *Lecanicillium* sp. 10206
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 EHS-274 *Metarhiziopsis microspora* 8988
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 EHS-344 *Metarhiziopsis microspora* 8985
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 Thr-08-M24 *Metarhizium anisopliae*
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 Thr-08-M38 *Metarhizium anisopliae*
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 Thr-08-M39 *Metarhizium anisopliae*
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 Thr-08-M40 *Metarhizium anisopliae*
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 302 *Neozygites parvispora* 5621
 ETH 601 *Entomophthora thripidum* 5868

Gryganskyi, Andrii P.

102 *Conidiobolus* sp. 11765
 122 *Basidiobolus* sp. 11772
 123 *Basidiobolus* sp. 11773
 134 *Basidiobolus* sp. 11774
 136 *Basidiobolus* sp. 11775
 137 *Basidiobolus* sp. 11776
 138 *Basidiobolus* sp. 11777
 139 *Basidiobolus* sp. 11778
 140 *Basidiobolus* sp. 11779
 142 *Basidiobolus* sp. 11780
 143 *Basidiobolus* sp. 11781
 144 *Basidiobolus* sp. 11782
 146 *Basidiobolus* sp. 11783
 36 *Basidiobolus* sp. 11766
 37 *Basidiobolus* sp. 11767
 38 *Basidiobolus* sp. 11768
 61 *Basidiobolus* sp. 11769
 62 *Basidiobolus* sp. 11770
 64 *Basidiobolus* sp. 11771
 Caterp 1b Unidentified sp. 11784

Gutierrez Samperio, Jorge

1 *Beauveria bassiana* 3285
 10 *Metarhizium brunneum* 3294
 11 *Metarhizium brunneum* 3295
 12 *Fusarium* sp. 3296
 13 *Metarhizium brunneum* 3297
 14 Unidentified sp. 3298
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 16 *Fusarium* sp. 3300
 17 *Nomuraea rileyi* 3301
 18 *Isaria fumosorosea* 3302
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- 2 *Beauveria bassiana* 3286
20 Unidentified sp. 3304
21 *Metarhizium anisopliae* sensu lato 3305
22 *Metarhizium anisopliae* sensu lato 3306
23 *Metarhizium anisopliae* sensu lato 3307
24 *Metarhizium anisopliae* sensu lato 3308
25 *Beauveria bassiana* 3309
26 *Beauveria bassiana* 3310
27 *Beauveria bassiana* 3311
28 *Beauveria bassiana* 3312
29 *Isaria fumosorosea* 3313
3 *Beauveria bassiana* 3287
4 *Beauveria bassiana* 3288
5 *Beauveria* sp. 3289
6 *Metarhizium anisopliae* sensu lato 3290
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9 *Metarhizium anisopliae* sensu lato 3293
- Guzman-Franco, Ariel**
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15(3) *Hirsutella* sp. 11755
15(6) *Hirsutella* sp. 11757
15(9) *Beauveria* sp. 11754
27(6) *Hirsutella* sp. 11759
31(8) *Hirsutella* sp. 11758
p(9) *Hirsutella* sp. 11761
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00 MI 12-2-1 *Entomophaga maimaiga* 6666
00 MI 12-2-2 *Entomophaga maimaiga* 6667
00 MI 12-2-3 *Entomophaga maimaiga* 6668
00 MI 17-1-1 *Entomophaga maimaiga* 6627
00 MI 17-1-2 *Entomophaga maimaiga* 6728
00 MI 17-2-1 *Entomophaga maimaiga* 6729
00 MI 18-2-1 *Entomophaga maimaiga* 6654
00 MI 19-1-1 *Entomophaga maimaiga* 6628
00 MI 19-2-1 *Entomophaga maimaiga* 6725
00 MI 2-1-1 *Entomophaga maimaiga* 6652
00 MI 2-2-1 *Entomophaga maimaiga* 6663
00 MI 24-2-1 *Entomophaga maimaiga* 6629
00 MI 24-2-2 *Entomophaga maimaiga* 6726
00 MI 27-1-1 *Entomophaga maimaiga* 6630
00 MI 27-1-2 *Entomophaga maimaiga* 6727
00 MI 28-1-1 *Entomophaga maimaiga* 7107
00 MI 28-1-3 *Entomophaga maimaiga* 7108
00 MI 28-2-1 *Entomophaga maimaiga* 6655
00 MI 29-1-1 *Entomophaga maimaiga* 7109
00 MI 29-1-2 *Entomophaga maimaiga* 7103
00 MI 29-2-1 *Entomophaga maimaiga* 6656
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00 MI 33-1-1 *Entomophaga maimaiga* 6657
00 MI 33-2-1 *Entomophaga maimaiga* 7110
00 MI 33-2-2 *Entomophaga maimaiga* 7111
00 MI 4-2-1 *Entomophaga maimaiga* 6653
00 NY 1-1-2 *Entomophaga maimaiga* 6625
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001-TB *Entomophaga maimaiga* 3829
001-TC *Entomophaga maimaiga* 3830
001-TD *Entomophaga maimaiga* 3831
001-TE *Entomophaga maimaiga* 3832
001-TF *Entomophaga maimaiga* 3833
001-TG *Entomophaga maimaiga* 3834
001-TH *Entomophaga maimaiga* 3835
01 JP 4-11-1 *Entomophaga maimaiga* 7104
01 JP 4-11-2 *Entomophaga maimaiga* 7112
01 JP 4-11-3 *Entomophaga maimaiga* 7113
01 JP 4-12-1 *Entomophaga maimaiga* 7114
01 JP 4-12-2 *Entomophaga maimaiga* 7105
01 JP 4-12-3 *Entomophaga maimaiga* 7116
02 CN 1-1-1 *Entomophaga maimaiga* 7139
02 CN 1-2-1 *Entomophaga maimaiga* 7183
02 CN 1-2-2 *Entomophaga maimaiga* 7184
02 NY 5-6-1 *Isaria farinosa* 8411
03 JP 5-1-1 *Entomophaga maimaiga* 7185
03 JP 5-1-2 *Entomophaga maimaiga* 7186
03 JP 5-1-4 *Entomophaga maimaiga* 7187
03 JP 5-1-5 *Entomophaga maimaiga* 7189
03 JP 5-1-6 *Entomophaga maimaiga* 7188
03 MA 3-1-1 *Entomophaga maimaiga* 7123
03 MA 3-2-1 *Entomophaga maimaiga* 7124
03 MA 3-2-2 *Entomophaga maimaiga* 7125
03 MA 3-2-3 *Entomophaga maimaiga* 7126
03 MA 3-2-4 *Entomophaga maimaiga* 7137
03 MA 3-2-5 *Entomophaga maimaiga* 7138
03 ME 1-1-1 *Entomophaga aulicae* 7140
03 ME 2-1-1 *Entomophaga aulicae* 7141
03 ME 3-1-2 *Entomophaga aulicae* 7142
03 ME 4-1-1 *Entomophaga aulicae* 7143
03 ME 5-1-1 *Entomophaga aulicae* 7144
03 ME 6-1-1 *Entomophaga aulicae* 7145
03 NY 8-1-3 Unidentified Entomophthorales sp. 7229
03 NY 7-3-1 *Conidiobolus thromboides* 7209
03 NY 7-3-2 *Conidiobolus thromboides* 7210
03 NY 7-3-3 *Conidiobolus thromboides* 7211
03 NY 7-3-4 *Pandora neoaphidis* 7212
03 NY 7-3-4 *Pandora neoaphidis* 8607
03 NY 7-4-1 *Pandora neoaphidis* 7213
03 NY 7-4-2 *Pandora neoaphidis* 7214
03 NY 7-4-3 *Pandora neoaphidis* 7226
03 NY 8-1-1 Unidentified Entomophthorales sp. 7227
03 NY 8-1-2 Unidentified Entomophthorales sp. 7228
03 NY 8-1-4 Unidentified Entomophthorales sp. 7230
03 PA 1-1-1A *Entomophaga maimaiga* 7120
03 PA 1-1-1B *Entomophaga maimaiga* 7121
03 PA 1-1-2 *Entomophaga maimaiga* 7122
03 PA 1-1-5 *Entomophaga maimaiga* 7190
03 PA 2-1-1 *Entomophaga maimaiga* 7131
03 PA 3-1-1 *Entomophaga maimaiga* 7132
03 PA 4-1-1 *Entomophaga maimaiga* 7133
03 PA 5-1-1 *Entomophaga maimaiga* 7134
03 PA 5-1-5 *Entomophaga maimaiga* 7352
03 PA 6-1-1 *Entomophaga maimaiga* 7135
03 PA 6-1-4 *Entomophaga maimaiga* 7353

- 03 PA 7-1-1 *Entomophaga maimaiga* 7136
 03 RU 1-1-1 *Entomophaga maimaiga* 7127
 04 NY 1-1-1 *Entomophthora muscae* 7371
 04 NY 9-1-1 *Batkoa* sp. 7370
 1 *Isaria farinosa* 3664
 1 *Beauveria brongniartii* 6213
 102a *Isaria farinosa* 3520
 11 *Fusarium polyphialidicum* 3695
 114 *Fusarium polyphialidicum* 3692
 128b *Isaria farinosa* 3521
 130 *Lecanicillium muscarium* 3600
 140a *Isaria farinosa* 3522
 145b *Isaria farinosa* 3523
 146 *Isaria farinosa* 3596
 149 *Isaria farinosa* 3597
 166a *Isaria farinosa* 3524
 167a *Fusarium* sp. 3532
 18 *Beauveria pseudobassiana* 3405
 18b *Isaria farinosa* 3493
 1b *Isaria farinosa* 3490
 203b *Isaria farinosa* 3525
 216b *Isaria farinosa* 3526
 21a *Isaria farinosa* 3494
 220b *Beauveria bassiana* 3530
 23 *Isaria farinosa* 3665
 24 *Beauveria bassiana* 3404
 26 *Fusarium polyphialidicum* 3696
 26a *Isaria farinosa* 3495
 27 *Isaria farinosa* 3666
 298b *Isaria farinosa* 3533
 2A *Beauveria brongniartii* 6214
 325 *Fusarium polyphialidicum* 3693
 325 *Fusarium polyphialidicum* 3694
 32c *Isaria farinosa* 3496
 35 *Isaria farinosa* 3595
 363 *Lecanicillium muscarium* 3601
 36a *Isaria farinosa* 3497
 370 *Isaria farinosa* 3598
 37c *Isaria farinosa* 3498
 3A *Beauveria brongniartii* 6215
 438 *Isaria farinosa* 3599
 47b *Isaria farinosa* 3500
 49b *Isaria farinosa* 3501
 4a *Isaria farinosa* 3491
 52b *Isaria farinosa* 3502
 53a *Isaria farinosa* 3503
 54b *Isaria farinosa* 3504
 57b *Isaria farinosa* 3505
 58a *Beauveria bassiana* 3527
 5B *Beauveria bassiana* 6216
 61c *Beauveria pseudobassiana* 3528
 62a *Isaria farinosa* 3506
 64a *Isaria farinosa* 3507
 68c *Isaria farinosa* 3508
 6B *Beauveria bassiana* 6217
 73a *Beauveria pseudobassiana* 3529
 91a *Isaria farinosa* 3517
 92-165 *Fusarium polyphialidicum* 3916
 92NJ1-1A *Entomophaga maimaiga* 5565
 92NJ1-1B *Entomophaga maimaiga* 5572
 93a *Lecanicillium muscarium* 3531
 94 NY1-4A *Entomophaga maimaiga* 4549
 94 VA4-3A *Entomophaga maimaiga* 6218
 94 VA8-1A *Entomophaga maimaiga* 6169
 94 WV1-1A *Entomophaga maimaiga* 6168
 94b *Isaria farinosa* 3518
 94VA2-2A *Entomophaga maimaiga* 5566
 94VA2-2B *Entomophaga maimaiga* 5567
 95a *Isaria farinosa* 3519
 96 MD A2-1 *Entomophaga maimaiga* 5377
 96 MD A2-2 *Entomophaga maimaiga* 5378
 96 MD B2-1 *Entomophaga maimaiga* 5379
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 96 MD B2-3 *Entomophaga maimaiga* 5381
 96 MD B2-4 *Entomophaga maimaiga* 5382
 96 MD B2-4 *Entomophaga maimaiga* 6161
 96 MD B2-5 *Entomophaga maimaiga* 5383
 96 MD B2-6 *Entomophaga maimaiga* 5384
 96 MD C2-1 *Entomophaga maimaiga* 5385
 96 MD D2-1 *Entomophaga maimaiga* 5386
 96 MD D2-2 *Entomophaga maimaiga* 5387
 96 MD E2-1 *Entomophaga maimaiga* 5388
 96 MD E2-2 *Entomophaga maimaiga* 5389
 96 MD F2-1 *Entomophaga maimaiga* 5390
 96 NY B2 *Entomophaga maimaiga* 5391
 96 NY C2 *Entomophaga maimaiga* 5392
 96 NY C3 *Entomophaga maimaiga* 5393
 96 NY D1 *Entomophaga maimaiga* 5394
 96 NY D2 *Entomophaga maimaiga* 5395
 96 NY D3 *Entomophaga maimaiga* 5396
 96 NY E1 *Entomophaga maimaiga* 5397
 96 NY E2 *Entomophaga maimaiga* 5398
 96 NY E3 *Entomophaga maimaiga* 5399
 96 NY F1 *Entomophaga maimaiga* 5400
 96 NY F3 *Entomophaga maimaiga* 5401
 96MA1-1A *Entomophaga maimaiga* 5563
 96MA1-1B *Entomophaga maimaiga* 5564
 96MA1-1C *Entomophaga maimaiga* 5711
 96VA9-1A *Entomophaga maimaiga* 5569
 96VA9-1B *Entomophaga maimaiga* 5570
 97VA10-1A *Entomophaga maimaiga* 5568
 97VA10-1B *Entomophaga maimaiga* 5571
 98 JP2-10A *Entomophaga maimaiga* 6254
 98 JP2-10B *Entomophaga maimaiga* 6224
 98 JP2-14A *Entomophaga maimaiga* 6255
 98 JP2-14B *Entomophaga maimaiga* 6256
 98 JP2-21A *Entomophaga maimaiga* 6267
 98 JP2-22A *Entomophaga maimaiga* 6257
 98 JP2-22B *Entomophaga maimaiga* 6223
 98 JP2-22B *Entomophaga maimaiga* 6264
 98 JP2-4A *Entomophaga maimaiga* 6253
 98 JP2-5A *Entomophaga maimaiga* 6212
 98 JP2-5B *Entomophaga maimaiga* 6163
 98 JP2-9A *Entomophaga maimaiga* 6162
 98 JP3-5A *Entomophaga maimaiga* 6171
 98 JP3-5B *Entomophaga maimaiga* 6172
 98 JP3-8A *Entomophaga maimaiga* 6258
 98 JP3-8B *Entomophaga maimaiga* 6265
 98 JP3-9A *Entomophaga maimaiga* 6266
 98 JP3-9B *Entomophaga maimaiga* 6268
 98 MA2-14A *Entomophaga maimaiga* 6005
 98 MA2-14B *Entomophaga maimaiga* 6272
 98 MA2-2A *Entomophaga maimaiga* 6269
 98 MA2-2B *Entomophaga maimaiga* 6270
 98 MA2-6A *Entomophaga maimaiga* 6271
 98 MA2-8A *Entomophaga maimaiga* 6004
 98MA2-4A *Entomophaga maimaiga* 6051
 98MA2-4B *Entomophaga maimaiga* 6052
 98MA2-6B *Entomophaga maimaiga* 6105
 98MA2-8B *Entomophaga maimaiga* 6106
 98MII-1A *Entomophaga maimaiga* 6053
 98MII-1B *Entomophaga maimaiga* 6054
 98MII-2A *Entomophaga maimaiga* 6006
 98MII-2B *Entomophaga maimaiga* 6007
 99 MI 21 *Entomophaga maimaiga* 7115
 99 MI 27 *Entomophaga maimaiga* 7102
 99 MI 28-1 *Entomophaga maimaiga* 7106
 99 MI 5-1 *Entomophaga maimaiga* 7101
 99 MI9-1A *Entomophaga maimaiga* 6523
 99 MI9-2A *Entomophaga maimaiga* 6524
 99 WV2-2A *Entomophaga maimaiga* 6173
 99 WV2-2B *Entomophaga maimaiga* 6174
 99 WV2-2C *Entomophaga maimaiga* 6170
 9b *Isaria farinosa* 3492
 A-OV *Entomophaga aulicae* 4004
 B-20MD#2 *Entomophaga maimaiga* 4545
 BFMS *Beauveria bassiana* 3667
 C.i.-2 *Entomophaga maimaiga* 4505
 C.i.-3 *Entomophaga maimaiga* 4506
 C.i.-4 *Entomophaga maimaiga* 4507
 Ci-1 *Entomophaga maimaiga* 4504
 C'TIV-3 *Entomophaga maimaiga* 2775
 D-OV *Entomophaga aulicae* 4008
 E.M.F. #3 *Fusarium polyphialidicum* 3694

FS6 *Metarhizium brunneum* 8415
I.A.-3 *Entomophaga maimaiga* 4510
I.S. 4 *Entomophaga maimaiga* 4549
I.S. 5 *Entomophaga maimaiga* 4550
I.S. 6 *Entomophaga maimaiga* 4551
I.S.-1 *Entomophaga maimaiga* 4508
I.S.-2 *Entomophaga maimaiga* 4509
L1 *Entomophaga maimaiga* 3052
L3 *Entomophaga maimaiga* 3053
Q2k953 *Beauveria bassiana* 8412
Red b (40) *Isaria farinosa* 3499
ST2 *Beauveria bassiana* 8413
VA - A *Entomophaga maimaiga* 4552
VA - C *Entomophaga maimaiga* 4553
VA - E *Entomophaga maimaiga* 4554
VA - F *Entomophaga maimaiga* 4555
VA-IVY *Entomophaga maimaiga* 6169
VD-1 *Metarhizium brunneum* 7234
VD3 *Metarhizium brunneum* 8416
VD7 *Metarhizium brunneum* 8417
VD8 *Metarhizium brunneum* 8418
VD9 *Metarhizium brunneum* 8419
WU18 *Scopulariopsis* sp. 8422
WU19 *Metarhizium pingshaense* 8420
WU21 *Scopulariopsis* sp. 8423
WU50 *Beauveria bassiana* 8414
WU6 *Scopulariopsis* sp. 8421

Hanula, James

C-1 *Verticillium insectorum* 3715
C-2 *Beauveria bassiana* 3716
C-3 *Beauveria bassiana* 3717
C-4 *Cordyceps* sp. 3718
C-5 *Metarhizium anisopliae* sensu lato
3713
C-5 Unidentified sp. 3714
W-2 Unidentified sp. 3719

Harrington, F.A.

FH121 *Aschersonia* sp. 5215

Harvell, C. Drew

15B1 *Aspergillus sydowii* 8382
AS16 *Aspergillus sydowii* 8379
AS17 *Aspergillus sydowii* 8380
AS18 *Aspergillus sydowii* 8381
AS29 *Aspergillus sydowii* 8382
FK11 *Aspergillus sydowii* 8379
SA25 *Aspergillus sydowii* 8381
SS7 *Aspergillus sydowii* 8380

Hatting, Justin

A *Conidiobolus thromboides* 4968

Hatting, Justin L.

1 *Evlachovaea* sp. 5703
10193 *Cladosporium* sp. 11866
14 *Beauveria bassiana* 6612
17 *Beauveria bassiana* 6613
17 *Beauveria bassiana* 6614
2 *Beauveria bassiana* 5704
2 *Isaria fumosorosea* 6610
4 *Lecanicillium lecanii* 5706
5 *Pandora neoaphidis* 5707
6 *Pandora neoaphidis* 5708
B *Fusarium* sp. 4969
Field 1012 *Fusarium* sp. 7046
Field 934 *Fusarium* sp. 7045

Lesotho A *Isaria farinosa* 6609
MSIRI 58 *Acremonium* sp. 11667
PPRI 6688 *Beauveria bassiana* 5705
Sample A *Cladosporium* sp. 6226
Sample B *Isaria farinosa* 6607
Sample G *Zoophthora radicans* 6605
SGI-914 *Fusarium* sp. 11865
SGI-915 *Conidiobolus* sp. 11867
TPC 019 Unidentified / *Hyphomycetes*
11666

Henk, Daniel A.

DAH 093 *Septobasidium apiculatum*
7096
DAH 129A *Septobasidium burtii* 7097
DAH 129B *Septobasidium burtii* 7098
dah11DG1 *Basidiobolus* sp. 9887
dah6DL1 *Basidiobolus* sp. 9888
dah8TM1 *Basidiobolus* sp. 9889
dahBR17 *Basidiobolus* sp. 9890
dahBR2 *Basidiobolus* sp. 9891
dahBR4 *Basidiobolus* sp. 9892
dahBR5 *Basidiobolus* sp. 9893
dahCH1 *Basidiobolus* sp. 9894
dahCH10 *Basidiobolus* sp. 9895
dahCH4 *Basidiobolus* sp. 9896
dahOWT1 *Basidiobolus* sp. 9897
dahOWT2 *Basidiobolus* sp. 9898
dahOWT3 *Basidiobolus* sp. 9899
dahSAR2A *Basidiobolus* sp. 9900
dahSAR3A *Basidiobolus* sp. 9901
dahSAR4A *Basidiobolus* sp. 9902
dahT14 *Basidiobolus* sp. 9903
dahT53 *Basidiobolus* sp. 9904
dahT90 *Basidiobolus* sp. 9905
dahTF3 *Basidiobolus* sp. 9906
dahTF6 *Basidiobolus* sp. 9907
dahTF8 *Basidiobolus* sp. 9908
dahTPOO1 *Basidiobolus* sp. 9909
dahU22 *Basidiobolus* sp. 9910
dahU71 *Basidiobolus* sp. 9911
dahU84 *Basidiobolus* sp. 9912

Henry, John E.

118 *Sorosporella* sp. 377

Hernández Ramírez, Juan

1 *Mucor* sp. 3535
2 Unidentified sp. 3536

Herrera Navarro, Eliú

V.l. - Colima *Lecanicillium longisporum*
8042
V.l. - UAM *Lecanicillium muscarium*
8041
V3 - Aphid *Cylindrocarpon* sp. 8043
V3 - Leps *Cylindrocarpon* sp. 8044

Hicks, Barry J.

1 *Beauveria bassiana* 6177
2 *Beauveria bassiana* 6178
3 *Batkoa* sp. 6179
A *Beauveria bassiana* 6100
B *Beauveria bassiana* 6101

Ho, T.

Sol-1 *Metarhizium flavoviride* var. *minus*
1773
Sol-11 *Metarhizium flavoviride* var. *minus*
1772
Sol-14 *Metarhizium flavoviride* var. *minus*
1769
Sol-17 *Metarhizium flavoviride* var. *minus*
1767
Sol-28 *Metarhizium flavoviride* var. *minus*
1765
Sol-3 *Metarhizium flavoviride* var. *minus*
1764
Sol-30 *Metarhizium flavoviride* var. *minus*
1770
Sol-31 *Metarhizium flavoviride* var. *minus*
1763
Sol-4 *Metarhizium flavoviride* var. *minus*
1771
Sol-5 *Metarhizium flavoviride* var. *minus*
1766
Sol-7 *Metarhizium flavoviride* var. *minus*
1768

Hodge, Kathie T.

1 *Harposporium anguillulae* 5407
10 *Monacrosporium ellipsosporum* 3723
A *Harposporium anguillulae* 5408
B *Harposporium anguillulae* 5409
C1 *Cordyceps militaris* 4081
C2 *Cordyceps militaris* 4082
C3 *Cordyceps militaris* 4083
C4 *Cordyceps militaris* 4084
D1 *Cordyceps militaris* 4085
D2 *Cordyceps militaris* 4086
D3 *Cordyceps militaris* 4087
D4 *Cordyceps militaris* 4088
D5 *Cordyceps militaris* 4089
FAH121 *Aschersonia* sp. 5215
kth11 *Tolypocladium inflatum* 3790
kth12 *Isaria farinosa* 4090
kth13 *Ophiocordyceps variabilis* 4080
kth14 *Lecanicillium flavidum* 4519
kth24 *Beauveria bassiana* 4688
kth27 *Polycephalomyces tomentosus*
5353
kth28a *Cordyceps militaris* 4838
kth28b *Cordyceps militaris* 4839
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52 *Pandora neoaphidis* 128
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11KS037 <i>Beauveria bassiana</i> sensu lato 12307	11MT006 <i>Beauveria bassiana</i> sensu lato 12358	11SD023 <i>Beauveria bassiana</i> sensu lato 12391
11KS038 <i>Beauveria bassiana</i> sensu lato 12308	11MT007 <i>Beauveria bassiana</i> sensu lato 12359	11SD024 <i>Beauveria bassiana</i> sensu lato 12392
11KS039 <i>Beauveria bassiana</i> sensu lato 12309	11MT009 <i>Beauveria bassiana</i> sensu lato 12360	11SD025 <i>Beauveria bassiana</i> sensu lato 12393
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 CCR15-6 *Fusarium semitectum* 2300
 CCR16-6 *Fusarium subglutinans* 2301
- MTCC**
 9050 *Fusarium lateritium* 8291
- MU**
 248 *Engyodontium aranearum* 2929
 302 *Engyodontium aranearum* 2935

Murray, K. Daniel

0.5-1A *Ascosphaera apis* 7406
A10 *Ascosphaera apis* 7405

Murray, Neal B.

5.1.B *Fusarium* sp. 10470

Muthappa, B.N.

PNG 12710 *Purpureocillium lilacinum*
2155
PNG 12711 *Metarhizium anisopliae*
sensu lato 2156
PNG 12713 *Aspergillus flavus* 2157
PNG 12714 *Aspergillus flavus* 2158
PNG 12715 *Aspergillus flavus* 2159
PNG 12717 *Trichoderma* sp. 2161
PNG 12719 *Lasiodiplodia theobromae*
2170
PNG 12720 *Trichoderma* sp. 2160
PNG 12721 *Metarhizium pingshaense*
2162
PNG 12722 *Metarhizium anisopliae*
sensu lato 2163
PNG 12723 *Beauveria* sp. 2164
PNG 12724 *Metarhizium anisopliae*
sensu lato 2165
PNG 12725 *Scopulariopsis* sp. 2169
PNG 12726 *Metarhizium anisopliae*
sensu lato 2166
PNG 12727 *Metarhizium anisopliae*
sensu lato 2167

Mycotech Corporation

BB726 *Beauveria bassiana* 6444
GHA *Beauveria bassiana* 6444

Myles, Tim

G55ai *Metarhizium brunneum* 9608
Guelph RF-08a *Metarhizium flavoviride*
var. *pemphigum* 9358
Guelph-RF-08b *Metarhizium robertsii*
9607

Nadeau, Martin

213 Unidentified sp. 3227
222 *Erynia curvispora* 3229
228 Unidentified sp. 3247
231 Unidentified sp. 3245
240 Unidentified sp. 3246
241 *Erynia curvispora* 3244
327 Unidentified sp. 3232
329 Unidentified sp. 3235
336 Unidentified sp. 3228
362 Unidentified sp. 3231
371 Unidentified sp. 3230
373 Unidentified sp. 3233
386 Unidentified sp. 3243
421 Unidentified sp. 3242
454 Unidentified sp. 3236

Narayanan, K.

15 *Nomuraea* sp. 2413
16 *Fusarium* sp. 2414
6 *Fusarium* sp. 2232
7 *Metarhizium pingshaense* 2231
8 *Purpureocillium lilacinum* 2233
9 *Beauveria* sp. 2412

Narayanasamy, P.

30 Sterile mycelium 3725
31 Unidentified sp. 3727
32 Unidentified sp. 3729
33 Unidentified sp. 3726
34 Unidentified sp. 3728

Nasca, A.J.

Bb-T11 *Beauveria bassiana* 2457
Ht-R *Hirsutella thompsonii* 2459
Ht-T1 *Hirsutella thompsonii* 2464
Nr-IY3 *Nomuraea rileyi* 2465
Nr-T2 *Nomuraea rileyi* 2466
VL-T9 *Lecanicillium longisporum* 2460

Nash, T.

MIT1 *Beauveria bassiana* 338

Naves, Marcio A.

460(88) *Metarhizium anisopliae* sensu
lato 1891
CG-6 *Metarhizium anisopliae* sensu lato
1901

NCRI

160/02 *Isaria farinosa* 11656
167/02 *Isaria fumosorosea* 11657
230/02 *Isaria fumosorosea* 11658
232/02 *Isaria fumosorosea* 11659
245/02 *Beauveria bassiana* 11660
250/02 *Metarhizium anisopliae* sensu
lato 11661

NCTC

2227 *Beauveria bassiana* 2454

Negreiros, Nilo Sergio A.

7567 Unidentified sp. 3943

Nelson, Rex

USF 50 *Basidiobolus ranarum* 5889
USF 56 *Basidiobolus ranarum* 5890
USF 57 *Basidiobolus ranarum* 5891
USF 70 *Basidiobolus ranarum* 5892
USF 71 *Basidiobolus ranarum* 5893
USF 74 *Basidiobolus ranarum* 5894
USF 75 *Basidiobolus ranarum* 5895
USF 76 *Basidiobolus ranarum* 5896
USF 77 *Basidiobolus ranarum* 5897
USF 78 *Basidiobolus ranarum* 5898
USF 78MCZ-1 *Basidiobolus ranarum*
5906
USF 78MCZ-11 *Basidiobolus ranarum*
5908
USF 78MCZ-15 *Basidiobolus ranarum*
5909
USF 78MCZ-16 *Basidiobolus ranarum*
5910
USF 78MCZ-18 *Basidiobolus ranarum*
5911
USF 78MCZ-19 *Basidiobolus ranarum*
5912
USF 78MCZ-2 *Basidiobolus ranarum*
5907
USF 78MCZ-20 *Basidiobolus ranarum*
5913
USF 79 *Basidiobolus ranarum* 5899
USF 80 *Basidiobolus ranarum* 5900
USF 84 *Basidiobolus ranarum* 5901

USF 85 *Basidiobolus ranarum* 5902
USF 85Z1 *Basidiobolus ranarum* 5915
USF 85Z11 *Basidiobolus ranarum* 5921
USF 85Z12 *Basidiobolus ranarum* 5922
USF 85Z13 *Basidiobolus ranarum* 5923
USF 85Z14 *Basidiobolus ranarum* 5924
USF 85Z15 *Basidiobolus ranarum* 5925
USF 85Z16 *Basidiobolus ranarum* 5926
USF 85Z17 *Basidiobolus ranarum* 5927
USF 85Z18 *Basidiobolus ranarum* 5928
USF 85Z19 *Basidiobolus ranarum* 5950
USF 85Z1Z1 *Basidiobolus ranarum* 5933
USF 85Z1Z10 *Basidiobolus ranarum*
5941
USF 85Z1Z11 *Basidiobolus ranarum*
5942
USF 85Z1Z12 *Basidiobolus ranarum*
5943
USF 85Z1Z13 *Basidiobolus ranarum*
5944
USF 85Z1Z14 *Basidiobolus ranarum*
5945
USF 85Z1Z15 *Basidiobolus ranarum*
5946
USF 85Z1Z16 *Basidiobolus ranarum*
5947
USF 85Z1Z17 *Basidiobolus ranarum*
5948
USF 85Z1Z19 *Basidiobolus ranarum*
5949
USF 85Z1Z2 *Basidiobolus ranarum* 5934
USF 85Z1Z20 *Basidiobolus ranarum*
5951
USF 85Z1Z3 *Basidiobolus ranarum* 5935
USF 85Z1Z4 *Basidiobolus ranarum* 5936
USF 85Z1Z5 *Basidiobolus ranarum* 5937
USF 85Z1Z7 *Basidiobolus ranarum* 5938
USF 85Z1Z8 *Basidiobolus ranarum* 5939
USF 85Z1Z9 *Basidiobolus ranarum* 5940
USF 85Z2 *Basidiobolus ranarum* 5916
USF 85Z20 *Basidiobolus ranarum* 5929
USF 85Z21 *Basidiobolus ranarum* 5930
USF 85Z22 *Basidiobolus ranarum* 5931
USF 85Z23 *Basidiobolus ranarum* 5932
USF 85Z3 *Basidiobolus ranarum* 5917
USF 85Z4 *Basidiobolus ranarum* 5918
USF 85Z5 *Basidiobolus ranarum* 5919
USF 85Z6 *Basidiobolus ranarum* 5920
USF 90 *Basidiobolus ranarum* 5903
USF SD1MCZ-1 *Basidiobolus ranarum*
5914
USF SDI *Basidiobolus ranarum* 5904
USF SDII *Basidiobolus ranarum* 5905

Neumann, Gábor

HDM 1 *Beauveria bassiana* 6884
HDM 2 *Beauveria bassiana* 6885

Niassy, Abdoulaye

B OSE *Aspergillus* sp. 6422
B OSE *Aspergillus* sp. 6423
DPV-1, Khelkom KAN *Metarhizium*
acidrum 6421
K HDA *Aspergillus tamarrii*(?) 6418
K ONI *Aspergillus* sp. 6419
M2VA *Aspergillus tamarrii*(?) 6420

Alternate Collections

Nielsen, Charlotte

KVL 1996-1 *Pandora neoaphidis* 5371
 KVL 1996-2 *Pandora neoaphidis* 5372
 KVL 1996-3 *Pandora neoaphidis* 5373
 KVL 1996-4 *Pandora neoaphidis* 5374
 KVL 98-13 *Conidiobolus obscurus* 5992
 KVL 98-15 *Conidiobolus osmodes*(?)
 5993
 KVL 98-17 *Batkoa apiculata* 5994
 KVL 98-21 *Pandora neoaphidis* 5995

NRRL

1232 *Basidiobolus haptosporus* 261
 18725 *Lecanicillium muscarium* 3836
 18726 *Lecanicillium muscarium* 3838
 18727 *Lecanicillium muscarium* 3839
 18728 *Lecanicillium muscarium* 3837
 1944 *Metarhizium brunneum* 2107
 21853 *Syngliocladium tetanopsis* 5577
 21854 *Syngliocladium tetanopsis* 5497
 22865 *Beauveria bassiana* 6643
 22866 *Beauveria bassiana* 6644
 25028 *Fusarium moniliforme* 2074
 25029 *Fusarium moniliforme* var. *intermedium* 3223
 25030 *Fusarium nygamai* 2316
 25031 *Fusarium subglutinans* 2141
 25032 *Fusarium subglutinans* 2143
 25033 *Fusarium subglutinans* 2145
 25034 *Fusarium subglutinans* 2301
 25080 *Fusarium* sp. 687
 25081 *Fusarium* sp. 1307
 25082 *Fusarium* sp. 1310
 25083 *Fusarium* sp. 1522
 25084 *Fusarium* sp. 1641
 25085 *Fusarium* sp. 1828
 25086 *Fusarium* sp. 2232
 25087 *Fusarium* sp. 2252
 25088 *Fusarium* sp. 2333
 25089 *Fusarium* sp. 2337
 25090 *Fusarium* sp. 2418
 25091 *Fusarium* sp. 2568
 25092 *Fusarium* sp. 2569
 25093 *Fusarium* sp. 2595
 25094 *Fusarium* sp. 2736
 25095 *Fusarium* sp. 2743
 25097 *Fusarium* sp. 3030
 25098 *Fusarium* sp. 3031
 25099 *Fusarium* sp. 3032
 25100 *Fusarium* sp. 3051
 25101 *Fusarium* sp. 3296
 25102 *Fusarium* sp. 3300
 25103 *Fusarium* sp. 3345
 25104 *Fusarium* sp. 3382
 25105 *Fusarium* sp. 3532
 25106 *Fusarium* sp. 3668
 25107 *Fusarium* sp. 3669
 25108 *Fusarium* sp. 3670
 25109 *Fusarium* sp. 3671
 25110 *Fusarium* sp. 3672
 25111 *Fusarium* sp. 3673
 25112 *Fusarium* sp. 3674
 25113 *Fusarium* sp. 3675
 25114 *Fusarium* sp. 3676
 25115 *Fusarium* sp. 3677
 25116 *Fusarium* sp. 3678

25117 *Fusarium* sp. 3679
 25118 *Fusarium* sp. 3704
 25119 *Fusarium* sp. 3707
 25120 *Fusarium* sp. 3791
 25121 *Fusarium* sp. 3976
 25122 *Fusarium* sp. 4002
 25123 *Fusarium* sp. 4011
 25124 *Fusarium acuminatum* 3218
 25125 *Fusarium avenaceum* 2060
 25126 *Fusarium coccophilum* 821
 25127 *Fusarium coccophilum* 2098
 25128 *Fusarium lateritium* 1331
 25129 *Fusarium lateritium* 1416
 25130 *Fusarium merismoides* 2059
 25131 *Fusarium oxysporum* 1371
 25132 *Fusarium torulosum* 3483
 25134 *Fusarium semitectum* 2299
 25135 *Fusarium semitectum* 2300
 25136 *Fusarium solani* 2312
 25137 *Fusarium solani* 2313
 25138 *Fusarium solani* 2314
 25139 *Fusarium subglutinans* 2142
 25140 *Fusarium subglutinans* 2144
 25202 *Fusarium semitectum* 2053
 25529 *Fusarium polyphialidicum* 3692
 25530 *Fusarium polyphialidicum* 3693
 25531 *Fusarium polyphialidicum* 3694
 25532 *Fusarium polyphialidicum* 3695
 25533 *Fusarium polyphialidicum* 3696
 2780 *Conidiobolus thromboides* 15
 2780 *Conidiobolus thromboides* 115
 2780 *Conidiobolus thromboides* 208
 28638 *Conidiobolus coronatus* 8715
 30976 *Beauveria pseudobassiana* 8254
 3682 *Conidiobolus bangalorensis* 449
 3733 *Basidiobolus meristosporus* 8329
 3734 *Basidiobolus magnus* 8330
 52684 *Fusarium* sp. 6351
 52685 *Fusarium* sp. 6352
 52686 *Fusarium* sp. 6348
 52687 *Fusarium* sp. 6320
 52688 *Fusarium* sp. 4969
 52689 *Fusarium* sp. 4863
 52690 *Fusarium oxysporum*(?) 6355
 52691 *Fusarium* sp. 6353
 52692 *Fusarium* sp. 6358
 52693 *Fusarium* sp. 6354
 52694 *Fusarium* sp. 6375
 52695 *Fusarium* sp. 6464
 52696 *Fusarium* sp. 6649
 52697 *Fusarium* sp. 6576
 52698 *Fusarium* sp. 6465
 52699 *Fusarium* sp. 6461
 52700 *Fusarium* sp. 6460
 52701 *Fusarium* sp. 6602
 52702 *Fusarium* sp. 6590
 52703 *Fusarium* sp. 6589
 52704 *Fusarium* sp. 6572
 52705 *Fusarium* sp. 6587
 52706 *Fusarium* sp. 6455
 52707 *Fusarium* sp. 6447
 52708 *Fusarium* sp. 6453
 52709 *Simplicillium lamellicola* 6448
 52710 *Fusarium* sp. 6452
 52711 *Fusarium* sp. 6450
 52712 *Fusarium* sp. 6451

52713 *Fusarium* sp. 6446
 52714 *Fusarium* sp. 6428
 52715 *Fusarium* sp. 6443
 52716 *Fusarium* sp. 6409
 52717 *Fusarium* sp. 6445
 52718 *Fusarium* sp. 6411
 52719 *Fusarium* sp. 6425
 52720 *Fusarium* sp. 6410
 52721 *Fusarium* sp. 6403
 52722 *Fusarium* sp. 6401
 52723 *Fusarium* sp. 6402
 52724 *Fusarium oxysporum* 4963
 52725 *Fusarium* sp. 5332
 52726 *Fusarium* sp. 8299
 52727 *Fusarium* sp. 8300
 52728 *Fusarium* sp. 8304
 52729 *Fusarium* sp. 8301
 52730 *Fusarium* sp. 8302
 52731 *Fusarium* sp. 8306
 52732 *Fusarium* sp. 8305
 52733 *Fusarium* sp. 8283
 52734 *Fusarium* sp. 8298
 52735 *Fusarium* sp. 8286
 52736 *Fusarium* sp. 8290
 52737 *Fusarium* sp. 8287
 52738 *Fusarium* sp. 8285
 52739 *Fusarium* sp. 8288
 52740 *Fusarium* sp. 8131
 52741 *Fusarium* sp. 8266
 52742 *Fusarium* sp. 8282
 52743 *Fusarium* sp. 8267
 52744 *Fusarium* sp. 8281
 52745 *Fusarium* sp. 8277
 52746 *Fusarium* sp. 8279
 52747 *Fusarium* sp. 8278
 52748 *Fusarium* sp. 7473
 52749 *Fusarium oxysporum*(?) 6622
 52750 *Fusarium* sp. 6790
 52751 *Fusarium oxysporum* 4964
 52752 *Fusarium* sp. 4956
 52753 *Fusarium* sp. 5219
 52754 *Lecanicillium muscarium* 3464
 52755 *Fusarium torulosum* 3483
 52756 *Fusarium* sp. 2303
 52757 *Fusarium* sp. 4864
 52758 *Fusarium* sp. 4714
 52759 *Fusarium polyphialidicum* 3916
 52760 *Fusarium* sp. 4715
 52761 *Fusarium* sp. 4238
 52762 *Fusarium* sp. 4713
 52763 *Fusarium* sp. 4962
 52764 *Fusarium* sp. 4825
 52765 *Fusarium lateritium* 2304
 A-27471 *Penicillium thomii* 2056
 A-27472 *Pochonia suchlasporia* var.
catenata 2064
 A-27473 *Isaria farinosa* 2057
 Y-12965 *Candida* sp. 1857
 Y-12966 *Candida* sp. 1877

O'Donnell, Kerry L.

con-2 *Conidiobolus* sp. 12338

Ochiel, Gerald

IIBC I92-745 *Ophiocordyceps bisporus*
 3888

Olive, Lindsey S.

- single spore isolate #1 *Culicinomyces clavisporus* 582
- single spore isolate #2 *Culicinomyces clavisporus* 583
- single spore isolate #3 *Culicinomyces clavisporus* 584
- single spore isolate #4 *Culicinomyces clavisporus* 585

Onofri, Silvano

- n^o1 *Lecanicillium lecanii*(?) 5136
- n^o2 *Lecanicillium lecanii*(?) 5137
- n^o3 *Lecanicillium lecanii*(?) 5138

Osborne, Lance S.

- PFR-97 *Isaria fumosorosea* 3682
- UK-1 *Isaria fumosorosea* 2247
- UK-3(1) *Beauveria bassiana* 2236
- UK-3(2) *Lecanicillium psalliotae* 2235
- UK-3(3) *Lecanicillium psalliotae* 2234

Ostrowska, Katherine

- 12 *Fusarium* sp. 3382
- 20 Unidentified sp. 3413
- 21 *Conidiobolus coronatus* 3414
- 22 *Conidiobolus coronatus* 3415
- 25 *Lecanicillium psalliotae* 3416
- 26 Unidentified sp. 3417
- 27 *Lecanicillium muscarium* 3418
- 29 Unidentified sp. 3419
- 3 Unidentified sp. 3378
- 31 Unidentified sp. 3420
- 33 Unidentified sp. 3421
- 34 Unidentified sp. 3422
- 35 Unidentified sp. 3423
- 36 Unidentified sp. 3424
- 37 Unidentified sp. 3425
- 4 *Conidiobolus coronatus* 3379
- 40 Unidentified sp. 3426
- 42 Unidentified sp. 3427
- 47 Unidentified sp. 3428
- 51 *Isaria fumosorosea* 3429
- 52 *Aspergillus flavus* 3430
- 53 Unidentified sp. 3123
- 54 Unidentified sp. 3124
- 6 Unidentified sp. 3380
- 9 Unidentified sp. 3381

Ouna, Elizabeth A.

- Kutui-10 *Metarhizium anisopliae* sensu lato 6414
- Kutui-4 *Metarhizium* sp. 6413
- Sudan 4 (a) *Metarhizium anisopliae* sensu lato 6417
- Sudan P1 (a) *Metarhizium anisopliae* sensu lato 6415
- Sudan P1 (b) *Metarhizium flavoviride* 6416

Padhye, A. A.

- CDC 76-075022 *Schizangiella serpentis* 203

Parker, Bruce L.

- μH 2 *Isaria farinosa* 5774
- 0207B *Metarhizium anisopliae* sensu lato 8777
- AT 036 *Beauveria bassiana* 5767
- AT 050 *Beauveria bassiana* 5768
- AT 052 *Beauveria bassiana* 5769
- AT 062 *Beauveria bassiana*(?) 5816
- AT 063 *Beauveria bassiana*(?) 5817
- AT 069 *Beauveria bassiana*(?) 5818
- AT 070 Sterile mycelium 5819
- AT 071 *Verticillium lecanii* 5820
- AT 072 *Verticillium lecanii* 5821
- AT 076 *Lecanicillium muscarium* 5822
- AT 128 *Lecanicillium lecanii* 5759
- AT 132 *Verticillium lecanii* 5824
- AT 135 *Verticillium lecanii* 5771
- AT 136 *Lecanicillium muscarium* 5772
- AT 138 *Isaria farinosa* 5760
- AT 139 *Isaria farinosa* 5761
- AT 145 *Acremonium* sp. 5773
- AT 153 *Fusarium* sp. 5825
- AT 157 *Isaria farinosa* 5826
- AT 159 *Isaria farinosa* 5827
- AT 79/2 *Geotrichum* (?) sp. 5823
- AT-C-198 *Verticillium lecanii* 6045
- AT-C-216 *Beauveria bassiana* 6027
- AT-C-218 *Isaria farinosa* 6028
- AT-C-234 *Isaria farinosa* 6029
- AT-C-235 *Isaria farinosa* 6030
- AT-C-237 *Isaria farinosa* 6031
- AT-C-238 *Isaria farinosa* 6032
- AT-C-242 *Isaria farinosa* 6033
- AT-C-281 *Isaria farinosa* 6034
- AT-C-284 *Lecanicillium muscarium* 6035
- AT-C-286 *Isaria farinosa* 6036
- AT-C-287 *Isaria farinosa* 6037
- AT-C-288 *Isaria farinosa* 6038
- AT-C-291 *Verticillium lecanii* 6046
- AT-C-292 *Verticillium lecanii* 6047
- AT-C-293 *Isaria farinosa* 6048
- AT-C-294 *Isaria farinosa* 6049
- AT-C-295 *Verticillium lecanii* 6050
- AVRDC 0005B *Metarhizium anisopliae* sensu lato 8775
- AVRDC 0009B *Metarhizium anisopliae* sensu lato 8776
- AVRDC 0058B *Purpureocillium lilacinum* 8918
- AVRDC 0076B *Metarhizium anisopliae* sensu lato 9236
- AVRDC 0153B *Metarhizium anisopliae* sensu lato 8798
- AVRDC 0154B *Metarhizium anisopliae* sensu lato 8941
- AVRDC 0166B *Metarhizium anisopliae* sensu lato 8942
- AVRDC 0168B *Metarhizium anisopliae* sensu lato 8799
- AVRDC 0184B *Metarhizium anisopliae* sensu lato 8952
- AVRDC 0186B *Metarhizium anisopliae* sensu lato 8953
- AVRDC 0193B *Metarhizium anisopliae* sensu lato 8795

- AVRDC 0193B *Metarhizium anisopliae* sensu lato 8951
- AVRDC 0205B *Metarhizium anisopliae* sensu lato 8796
- AVRDC 0214B *Metarhizium anisopliae* sensu lato 8778
- AVRDC 0216B *Metarhizium anisopliae* sensu lato 8779
- AVRDC 0224B *Metarhizium anisopliae* sensu lato 8780
- AVRDC 0238B *Metarhizium anisopliae* sensu lato 8943
- AVRDC 0244B *Metarhizium anisopliae* sensu lato 8781
- AVRDC 0245B *Metarhizium anisopliae* sensu lato 8944
- AVRDC 0246B *Metarhizium anisopliae* sensu lato 8797
- AVRDC 0260B *Metarhizium anisopliae* sensu lato 8782
- AVRDC 0262B *Metarhizium anisopliae* sensu lato 8945
- AVRDC 0286B *Purpureocillium lilacinum* 8919
- AVRDC 0293B *Metarhizium anisopliae* sensu lato 8783
- AVRDC 0295B *Metarhizium anisopliae* sensu lato 8784
- AVRDC 0303B *Metarhizium anisopliae* sensu lato 8946
- AVRDC 0312B *Metarhizium anisopliae* sensu lato 8785
- AVRDC 0331B *Metarhizium anisopliae* sensu lato 8786
- AVRDC 0338B *Metarhizium anisopliae* sensu lato 8787
- AVRDC 0344B *Metarhizium anisopliae* sensu lato 8788
- AVRDC 0346B *Metarhizium anisopliae* sensu lato 8789
- AVRDC 0350B *Metarhizium anisopliae* sensu lato 8790
- AVRDC 0355B *Metarhizium anisopliae* sensu lato 8791
- AVRDC 0373B *Metarhizium anisopliae* sensu lato 8792
- AVRDC 0374B *Metarhizium anisopliae* sensu lato 8793
- AVRDC 0376B *Metarhizium anisopliae* sensu lato 8954
- AVRDC 0377B *Metarhizium anisopliae* sensu lato 8794
- AVRDC 0381B *Metarhizium anisopliae* sensu lato 8858
- AVRDC 0382B *Metarhizium anisopliae* sensu lato 8868
- AVRDC 0383B *Metarhizium anisopliae* sensu lato 8859
- AVRDC 0384B *Metarhizium anisopliae* sensu lato 8869
- AVRDC 0385B *Metarhizium anisopliae* sensu lato 8947
- AVRDC 0388B *Metarhizium anisopliae* sensu lato 8870
- AVRDC 0389B *Metarhizium anisopliae* sensu lato 8948

AVRDC 0390B <i>Metarhizium anisopliae</i> sensu lato 8860	AVRDC 0477B <i>Metarhizium anisopliae</i> sensu lato 8898	GA-267-10 Unidentified / Zygomycetes 6157
AVRDC 0392B <i>Metarhizium anisopliae</i> sensu lato 8871	AVRDC 0482B <i>Isaria farinosa</i> 8917	GA-279 Unidentified / Zygomycetes 6158
AVRDC 0393B <i>Metarhizium anisopliae</i> sensu lato 8861	AVRDC 0483B <i>Metarhizium anisopliae</i> sensu lato 8899	GA-305 Unidentified / Zygomycetes 6159
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DWR 1387 *Metarhizium* sp. 9996
DWR 1395 *Metarhizium* sp. 9997
DWR 1399 *Metarhizium* sp. 9998
DWR 1400 *Beauveria bassiana* 11165
DWR 1401 *Beauveria bassiana* 11166
DWR 1402 *Beauveria bassiana* 11167
DWR 1403 *Beauveria bassiana* 11168
DWR 1404 *Beauveria bassiana* 11169
DWR 1405 *Beauveria bassiana* 11170
DWR 1406 *Beauveria bassiana* 11171
DWR 1408 *Metarhizium* sp. 9999
DWR 1409 *Metarhizium* sp. 10001
DWR 1410 *Metarhizium* sp. 10002
DWR 1411 *Metarhizium* sp. 10003
DWR 1412 *Metarhizium* sp. 10004
DWR 1413 *Metarhizium* sp. 10005
DWR 1414 *Metarhizium* sp. 10006
DWR 1415 *Metarhizium* sp. 10007
DWR 1416 *Metarhizium* sp. 10008
DWR 1417 *Metarhizium* sp. 10009
DWR 1418 *Metarhizium* sp. 10010
DWR 1419 *Metarhizium* sp. 10011
DWR 142 *Metarhizium anisopliae* sensu lato 6989
DWR 1420 *Metarhizium* sp. 10012
DWR 1421 *Metarhizium* sp. 10013
DWR 1422 *Metarhizium* sp. 10014
DWR 1423 *Beauveria bassiana* 11172
DWR 1424 *Beauveria bassiana* 11173
DWR 1425 *Beauveria bassiana* 11174
DWR 1426 *Beauveria bassiana* 11175
DWR 1427 *Beauveria bassiana* 11176
DWR 1428 *Beauveria bassiana* 11177
DWR 1429 *Beauveria bassiana* 11178
DWR 1430 *Beauveria bassiana* 11179
DWR 1431 *Beauveria bassiana* 11180
DWR 1432 *Beauveria bassiana* 11181
DWR 1433 *Beauveria bassiana* 11182
DWR 1434 *Beauveria bassiana* 11183
DWR 1435 *Beauveria bassiana* 11184
DWR 1436 *Beauveria bassiana* 11185
DWR 1437 *Myriodontium keratinophilum* 11186

- DWR 1438 *Beauveria bassiana* 11187
DWR 1439 *Beauveria bassiana* 11188
DWR 144 *Metarhizium anisopliae* sensu lato 6990
DWR 1440 *Beauveria bassiana* 11189
DWR 1441 *Beauveria bassiana* 11190
DWR 1442 *Beauveria bassiana* 11191
DWR 1443 *Beauveria bassiana* 11192
DWR 1444 *Beauveria bassiana* 11193
DWR 1445 *Beauveria bassiana* 11194
DWR 1446 *Metarhizium* sp. 10015
DWR 1447 *Metarhizium* sp. 10016
DWR 1448 *Metarhizium* sp. 10017
DWR 1449 *Metarhizium* sp. 10018
DWR 145 *Metarhizium anisopliae* sensu lato 6991
DWR 1450 *Metarhizium* sp. 10019
DWR 1451 *Metarhizium* sp. 10020
DWR 1455 *Beauveria bassiana* 11195
DWR 1456 *Beauveria bassiana* 11196
DWR 1457 *Beauveria bassiana* 11197
DWR 1458 *Beauveria bassiana* 11198
DWR 1459 *Beauveria bassiana* 11199
DWR 146 *Metarhizium anisopliae* sensu lato 6763
DWR 1460 *Beauveria bassiana* 11200
DWR 1461 *Beauveria bassiana* 11201
DWR 1462 *Beauveria bassiana* 11202
DWR 1463 *Beauveria bassiana* 11203
DWR 1464 *Beauveria bassiana* 11204
DWR 1465 *Beauveria bassiana* 11205
DWR 1466 *Beauveria bassiana* 11206
DWR 1467 *Beauveria bassiana* 11207
DWR 1468 *Metarhizium* sp. 10021
DWR 1469 *Metarhizium* sp. 10022
DWR 147 *Metarhizium anisopliae* sensu lato 6992
DWR 1470 *Metarhizium* sp. 10023
DWR 1471 *Metarhizium* sp. 10024
DWR 1472 *Metarhizium* sp. 10025
DWR 1473 *Metarhizium* sp. 10026
DWR 1476 *Beauveria bassiana* 11208
DWR 1477 *Beauveria bassiana* 11209
DWR 1478 *Beauveria bassiana* 11210
DWR 1479 *Beauveria bassiana* 11211
DWR 148 *Metarhizium anisopliae* sensu lato 6993
DWR 1480 *Beauveria bassiana* 11212
DWR 1481 *Beauveria bassiana* 11213
DWR 1482 *Beauveria bassiana* 11214
DWR 1483 *Beauveria bassiana* 11215
DWR 1484 *Beauveria bassiana* 11216
DWR 1485 *Beauveria bassiana* 11217
DWR 1486 *Beauveria bassiana* 11218
DWR 1487 *Beauveria bassiana* 11219
DWR 1488 *Beauveria bassiana* 11220
DWR 1489 *Metarhizium* sp. 10027
DWR 149 *Metarhizium anisopliae* sensu lato 6995
DWR 1490 *Metarhizium* sp. 10028
DWR 1491 *Metarhizium* sp. 10029
DWR 1492 *Beauveria bassiana* 11221
DWR 1493 *Beauveria bassiana* 11222
DWR 1494 *Beauveria bassiana* 11223
DWR 1495 *Beauveria bassiana* 11224
DWR 1496 *Beauveria bassiana* 11225
DWR 1497 *Beauveria bassiana* 11226
DWR 1498 *Beauveria bassiana* 11227
DWR 1499 *Beauveria bassiana* 11228
DWR 1500 *Beauveria bassiana* 11229
DWR 1501 *Beauveria bassiana* 11230
DWR 1502 *Beauveria bassiana* 11231
DWR 1503 *Beauveria bassiana* 11232
DWR 1504 *Beauveria bassiana* 11233
DWR 1505 *Beauveria bassiana* 11234
DWR 1506 *Metarhizium* sp. 10030
DWR 1507 *Metarhizium* sp. 10031
DWR 1508 *Beauveria bassiana* 11235
DWR 1509 *Beauveria bassiana* 11236
DWR 1510 *Beauveria bassiana* 11237
DWR 1511 *Beauveria bassiana* 11238
DWR 1512 *Beauveria bassiana* 11239
DWR 1513 *Beauveria bassiana* 11240
DWR 1514 *Beauveria bassiana* 11241
DWR 1515 *Beauveria bassiana* 11242
DWR 1516 *Metarhizium* sp. 10032
DWR 1517 *Metarhizium* sp. 10033
DWR 1518 *Metarhizium* sp. 10034
DWR 1519 *Metarhizium* sp. 10035
DWR 1520 *Metarhizium* sp. 10036
DWR 1521 *Beauveria bassiana* 11243
DWR 1522 *Beauveria bassiana* 11244
DWR 1523 *Beauveria bassiana* 11245
DWR 1524 *Beauveria bassiana* 11246
DWR 1525 *Beauveria bassiana* 11247
DWR 1526 *Beauveria bassiana* 11248
DWR 1527 *Metarhizium* sp. 10037
DWR 1528 *Metarhizium* sp. 10038
DWR 1529 *Beauveria bassiana* 11249
DWR 1530 *Beauveria bassiana* 11250
DWR 1531 *Beauveria bassiana* 11251
DWR 1532 *Beauveria bassiana* 11252
DWR 1533 *Beauveria bassiana* 11253
DWR 1534 *Beauveria bassiana* 11254
DWR 1535 *Beauveria bassiana* 11255
DWR 1536 *Beauveria bassiana* 11256
DWR 1537 *Beauveria bassiana* 11257
DWR 1538 *Beauveria bassiana* 11258
DWR 1539 *Beauveria bassiana* 11259
DWR 1540 *Metarhizium* sp. 10039
DWR 1541 *Metarhizium* sp. 10040
DWR 1542 *Metarhizium* sp. 10041
DWR 1543 *Metarhizium* sp. 10042
DWR 1544 *Metarhizium* sp. 10043
DWR 1545 *Metarhizium* sp. 10044
DWR 1546 *Metarhizium* sp. 10045
DWR 1547 *Metarhizium* sp. 10046
DWR 1548 *Metarhizium* sp. 10047
DWR 1549 *Beauveria bassiana* 11260
DWR 1550 *Beauveria bassiana* 11261
DWR 1551 *Beauveria bassiana* 11262
DWR 1552 *Beauveria bassiana* 11263
DWR 1553 *Metarhizium* sp. 10048
DWR 1554 *Metarhizium* sp. 10049
DWR 1555 *Metarhizium* sp. 10050
DWR 1556 *Metarhizium* sp. 10051
DWR 1557 *Metarhizium* sp. 10052
DWR 1558 *Beauveria bassiana* 11264
DWR 1559 *Beauveria bassiana* 11265
DWR 1560 *Beauveria bassiana* 11266
DWR 1561 *Beauveria bassiana* 11267
DWR 1562 *Beauveria bassiana* 11268
DWR 1563 *Beauveria bassiana* 11269
DWR 1564 *Beauveria bassiana* 11270
DWR 1565 *Beauveria bassiana* 11271
DWR 1566 *Beauveria bassiana* 11272
DWR 1567 *Beauveria bassiana* 11273
DWR 1568 *Beauveria bassiana* 11274
DWR 1569 *Beauveria bassiana* 11275
DWR 1570 *Beauveria bassiana* 11276
DWR 1571 *Beauveria bassiana* 11277
DWR 1572 *Beauveria bassiana* 11278
DWR 1573 *Beauveria bassiana* 11279
DWR 1574 *Beauveria bassiana* 11280
DWR 1575 *Beauveria bassiana* 11281
DWR 1576 *Beauveria bassiana* 11282
DWR 1577 *Beauveria bassiana* 11283
DWR 1578 *Beauveria bassiana* 11284
DWR 1579 *Beauveria bassiana* 11285
DWR 158 *Metarhizium acridum* 6851
DWR 1580 *Metarhizium* sp. 10053
DWR 1581 *Metarhizium* sp. 10054
DWR 1582 *Metarhizium* sp. 10055
DWR 1583 *Metarhizium* sp. 10056
DWR 1584 *Metarhizium* sp. 10057
DWR 1585 *Beauveria bassiana* 11286
DWR 1586 *Beauveria bassiana* 11287
DWR 1587 *Beauveria bassiana* 11288
DWR 1588 *Beauveria bassiana* 11289
DWR 1589 *Beauveria bassiana* 11290
DWR 159 *Metarhizium acridum* 6852
DWR 1590 *Beauveria bassiana* 11291
DWR 1591 *Metarhizium* sp. 10058
DWR 1592 *Metarhizium* sp. 10059
DWR 1593 *Beauveria bassiana* 11292
DWR 1594 *Beauveria bassiana* 11293
DWR 1595 *Beauveria bassiana* 11294
DWR 1596 *Beauveria bassiana* 11295
DWR 1597 *Beauveria bassiana* 11296
DWR 1598 *Beauveria bassiana* 11297
DWR 1599 *Beauveria bassiana* 11298
DWR 160 *Metarhizium acridum* 6853
DWR 1600 *Beauveria bassiana* 11299
DWR 1601 *Metarhizium* sp. 10060
DWR 1602 *Metarhizium* sp. 10061
DWR 1603 *Beauveria bassiana* 11300
DWR 1604 *Beauveria bassiana* 11301
DWR 1605 *Beauveria bassiana* 11302
DWR 1606 *Beauveria bassiana* 11303
DWR 1607 *Beauveria bassiana* 11304
DWR 1608 *Beauveria bassiana* 11305
DWR 1609 *Beauveria bassiana* 11306
DWR 161 *Metarhizium acridum* 6854
DWR 1610 *Metarhizium* sp. 10062
DWR 1611 *Metarhizium* sp. 10063
DWR 1612 *Metarhizium* sp. 10064
DWR 1613 *Metarhizium* sp. 10065
DWR 1614 *Metarhizium* sp. 10066
DWR 1615 *Metarhizium* sp. 10067
DWR 1616 *Lecanicillium muscarium* 11307
DWR 1617 *Beauveria bassiana* 11308
DWR 1618 *Beauveria bassiana* 11309
DWR 1619 *Beauveria bassiana* 11310
DWR 162 *Metarhizium acridum* 6855
DWR 1620 *Beauveria bassiana* 11311
DWR 1621 *Beauveria bassiana* 11312
DWR 1622 *Beauveria bassiana* 11313

- DWR 1623 *Beauveria bassiana* 11314
DWR 1624 *Beauveria bassiana* 11315
DWR 1625 *Beauveria bassiana* 11316
DWR 1626 *Beauveria bassiana* 11317
DWR 1627 *Beauveria bassiana* 11318
DWR 1628 *Beauveria bassiana* 11319
DWR 1629 *Beauveria bassiana* 11320
DWR 163 *Metarhizium acridum* 6856
DWR 1630 *Beauveria bassiana* 11321
DWR 1631 *Beauveria bassiana* 11322
DWR 1632 *Beauveria bassiana* 11323
DWR 1633 *Beauveria bassiana* 11324
DWR 1634 *Beauveria bassiana* 11325
DWR 1635 *Beauveria bassiana* 11326
DWR 1636 *Beauveria bassiana* 11327
DWR 1637 *Beauveria bassiana* 11328
DWR 1638 *Beauveria bassiana* 11329
DWR 1639 *Beauveria bassiana* 11330
DWR 164 *Metarhizium acridum* 6857
DWR 1640 *Beauveria bassiana* 11331
DWR 1641 *Beauveria bassiana* 11332
DWR 1642 *Beauveria bassiana* 11333
DWR 1643 *Beauveria bassiana* 11334
DWR 1644 *Beauveria bassiana* 11335
DWR 1645 *Beauveria bassiana* 11336
DWR 1646 *Beauveria bassiana* 11337
DWR 1647 *Beauveria bassiana* 11338
DWR 1648 *Beauveria bassiana* 11339
DWR 1649 *Beauveria bassiana* 11340
DWR 165 *Metarhizium acridum* 6858
DWR 1650 *Beauveria bassiana* 11341
DWR 1651 *Beauveria bassiana* 11342
DWR 1652 *Metarhizium* sp. 10068
DWR 1653 *Metarhizium* sp. 10069
DWR 1654 *Metarhizium* sp. 10070
DWR 1655 *Metarhizium* sp. 10071
DWR 1656 *Metarhizium* sp. 10072
DWR 1657 *Metarhizium* sp. 10073
DWR 1658 *Metarhizium* sp. 10074
DWR 1659 *Metarhizium* sp. 10075
DWR 166 *Metarhizium acridum* 6859
DWR 1660 *Metarhizium* sp. 10076
DWR 1661 *Beauveria bassiana* 11343
DWR 1662 *Beauveria bassiana* 11344
DWR 1663 *Beauveria bassiana* 11345
DWR 1664 *Beauveria bassiana* 11346
DWR 1665 *Beauveria bassiana* 11347
DWR 1666 *Beauveria bassiana* 11348
DWR 1667 *Beauveria bassiana* 11349
DWR 1668 *Beauveria bassiana* 11350
DWR 1669 *Beauveria bassiana* 11351
DWR 167 *Metarhizium anisopliae* sensu lato 6860
DWR 1670 *Beauveria bassiana* 11352
DWR 1671 *Beauveria bassiana* 11353
DWR 1672 *Beauveria bassiana* 11354
DWR 1673 *Beauveria bassiana* 11355
DWR 1674 *Beauveria bassiana* 11356
DWR 1675 *Beauveria bassiana* 11357
DWR 1676 *Beauveria bassiana* 11358
DWR 1677 *Beauveria bassiana* 11359
DWR 1678 *Beauveria bassiana* 11360
DWR 1679 *Beauveria bassiana* 11361
DWR 168 *Metarhizium anisopliae* sensu lato 6861
DWR 1680 *Beauveria bassiana* 11362
DWR 1681 *Beauveria bassiana* 11363
DWR 1682 *Beauveria bassiana* 11364
DWR 1683 *Metarhizium* sp. 10077
DWR 1684 *Metarhizium* sp. 10078
DWR 1685 *Metarhizium* sp. 10079
DWR 1686 *Metarhizium* sp. 10080
DWR 1687 *Metarhizium* sp. 10081
DWR 1688 *Metarhizium* sp. 10082
DWR 1689 *Metarhizium* sp. 10083
DWR 1690 *Metarhizium* sp. 10084
DWR 1691 *Beauveria bassiana* 11365
DWR 1692 *Beauveria bassiana* 11366
DWR 1693 *Beauveria bassiana* 11367
DWR 1694 *Beauveria bassiana* 11368
DWR 1695 *Beauveria bassiana* 11369
DWR 1696 *Beauveria bassiana* 11370
DWR 1697 *Beauveria bassiana* 11371
DWR 1698 *Beauveria bassiana* 11372
DWR 1699 *Metarhizium* sp. 10085
DWR 1700 *Metarhizium* sp. 10086
DWR 1701 *Metarhizium* sp. 10087
DWR 1702 *Metarhizium* sp. 10088
DWR 1703 *Metarhizium* sp. 10089
DWR 1704 *Metarhizium* sp. 10090
DWR 1705 *Metarhizium* sp. 10091
DWR 1706 *Metarhizium* sp. 10092
DWR 1707 *Metarhizium* sp. 10093
DWR 1708 *Metarhizium* sp. 10094
DWR 1709 *Metarhizium* sp. 10095
DWR 171 *Metarhizium anisopliae* sensu lato 6863
DWR 1710 *Metarhizium* sp. 10096
DWR 1711 *Beauveria bassiana* 11373
DWR 1712 *Beauveria bassiana* 11374
DWR 1713 *Beauveria bassiana* 11375
DWR 1714 *Metarhizium* sp. 10097
DWR 1715 *Metarhizium* sp. 10098
DWR 1716 *Metarhizium* sp. 10099
DWR 1717 *Metarhizium* sp. 10100
DWR 1718 *Metarhizium* sp. 10101
DWR 1719 *Metarhizium* sp. 10102
DWR 172 *Metarhizium robertsii* 6864
DWR 1720 *Metarhizium* sp. 10103
DWR 1721 *Metarhizium* sp. 10104
DWR 1722 *Metarhizium* sp. 10105
DWR 1723 *Metarhizium* sp. 10106
DWR 1724 *Beauveria bassiana* 11376
DWR 1725 *Beauveria bassiana* 11377
DWR 1726 *Beauveria bassiana* 11378
DWR 1727 *Beauveria bassiana* 11379
DWR 1728 *Beauveria bassiana* 11380
DWR 1729 *Beauveria bassiana* 11381
DWR 173 *Metarhizium robertsii* 6865
DWR 1730 *Beauveria bassiana* 11382
DWR 1731 *Beauveria bassiana* 11383
DWR 1732 *Beauveria bassiana* 11384
DWR 1733 *Beauveria bassiana* 11385
DWR 1734 *Beauveria bassiana* 11386
DWR 1735 *Beauveria* sp. 11387
DWR 1736 *Beauveria bassiana* 11388
DWR 1737 *Beauveria bassiana* 11389
DWR 1738 *Beauveria bassiana* 11390
DWR 1739 *Beauveria bassiana* 11391
DWR 1740 *Metarhizium* sp. 10107
DWR 1741 *Metarhizium* sp. 10108
DWR 1742 *Metarhizium* sp. 10109
DWR 1743 *Metarhizium* sp. 10110
DWR 1744 *Metarhizium* sp. 10111
DWR 1745 *Beauveria bassiana* 11392
DWR 1746 *Beauveria bassiana* 11393
DWR 1747 *Beauveria bassiana* 11394
DWR 1748 *Beauveria bassiana* 11395
DWR 1749 *Beauveria bassiana* 11396
DWR 1750 *Beauveria bassiana* 11397
DWR 1751 *Beauveria bassiana* 11398
DWR 1752 *Beauveria bassiana* 11399
DWR 1753 *Beauveria bassiana* 11400
DWR 1754 *Beauveria bassiana* 11401
DWR 1755 *Beauveria bassiana* 11402
DWR 1756 *Beauveria bassiana* 11403
DWR 1757 *Beauveria bassiana* 11404
DWR 1758 *Beauveria bassiana* 11405
DWR 1759 *Beauveria bassiana* 11406
DWR 176 *Metarhizium anisopliae* sensu lato 6996
DWR 1760 *Beauveria bassiana* 11407
DWR 1761 *Beauveria bassiana* 11408
DWR 1762 *Beauveria bassiana* 11409
DWR 1763 *Metarhizium* sp. 10112
DWR 1764 *Metarhizium* sp. 10113
DWR 1765 *Metarhizium* sp. 10114
DWR 1766 *Metarhizium* sp. 10115
DWR 1767 *Metarhizium* sp. 10116
DWR 1768 *Beauveria bassiana* 11410
DWR 1769 *Beauveria bassiana* 11411
DWR 1770 *Beauveria bassiana* 11412
DWR 1771 *Metarhizium* sp. 10117
DWR 1772 *Beauveria bassiana* 11413
DWR 1773 *Beauveria bassiana* 11414
DWR 1774 *Beauveria bassiana* 11415
DWR 1775 *Beauveria bassiana* 11416
DWR 1776 *Beauveria bassiana* 11417
DWR 1777 *Beauveria bassiana* 11418
DWR 1778 *Beauveria bassiana* 11419
DWR 1779 *Beauveria bassiana* 11420
DWR 1780 *Beauveria bassiana* 11421
DWR 1781 *Beauveria bassiana* 11422
DWR 1782 *Beauveria bassiana* 11423
DWR 1783 *Beauveria bassiana* 11424
DWR 1784 *Beauveria bassiana* 11425
DWR 1785 *Beauveria bassiana* 11426
DWR 1786 *Beauveria bassiana* 11427
DWR 1787 *Beauveria bassiana* 11428
DWR 1788 *Beauveria bassiana* 11429
DWR 1789 *Beauveria bassiana* 11430
DWR 179 *Metarhizium anisopliae* sensu lato 6997
DWR 1790 *Beauveria bassiana* 11431
DWR 1791 *Beauveria bassiana* 11432
DWR 1792 *Beauveria bassiana* 11433
DWR 1793 *Beauveria bassiana* 11434
DWR 1794 *Beauveria bassiana* 11435
DWR 1795 *Beauveria bassiana* 11436
DWR 1796 *Beauveria bassiana* 11437
DWR 1797 *Beauveria bassiana* 11438
DWR 1798 *Beauveria bassiana* 11439
DWR 1799 *Beauveria bassiana* 11440
DWR 180 *Metarhizium anisopliae* sensu lato 6998
DWR 1800 *Beauveria bassiana* 11441
DWR 1801 *Beauveria bassiana* 11442
DWR 1802 *Beauveria bassiana* 11443

DWR 1803 <i>Beauveria bassiana</i> 11444	DWR 1867 <i>Beauveria bassiana</i> 11492	DWR 1933 <i>Beauveria bassiana</i> 11555
DWR 1804 <i>Beauveria bassiana</i> 11445	DWR 1868 <i>Beauveria bassiana</i> 11493	DWR 1934 <i>Beauveria bassiana</i> 11556
DWR 1805 <i>Beauveria bassiana</i> 11446	DWR 1869 <i>Beauveria bassiana</i> 11494	DWR 1935 <i>Beauveria bassiana</i> 11557
DWR 1806 <i>Beauveria bassiana</i> 11447	DWR 1870 <i>Beauveria bassiana</i> 11495	DWR 1936 <i>Beauveria bassiana</i> 11558
DWR 1807 <i>Beauveria bassiana</i> 11448	DWR 1871 <i>Beauveria bassiana</i> 11496	DWR 1937 <i>Beauveria bassiana</i> 11559
DWR 1808 <i>Metarhizium</i> sp. 10118	DWR 1872 <i>Beauveria bassiana</i> 11497	DWR 1938 <i>Metarhizium</i> sp. 10323
DWR 1809 <i>Metarhizium</i> sp. 10119	DWR 1873 <i>Beauveria bassiana</i> 11498	DWR 1939 <i>Beauveria bassiana</i> 11876
DWR 181 <i>Metarhizium anisopliae</i> sensu lato 6999	DWR 1874 <i>Beauveria bassiana</i> 11499	DWR 1940 <i>Beauveria bassiana</i> 11877
DWR 1810 <i>Metarhizium</i> sp. 10120	DWR 1875 <i>Beauveria bassiana</i> 11500	DWR 1941 <i>Beauveria bassiana</i> 11878
DWR 1811 <i>Metarhizium</i> sp. 10121	DWR 1876 <i>Beauveria bassiana</i> 11501	DWR 1942 <i>Metarhizium</i> sp. 10324
DWR 1812 <i>Metarhizium</i> sp. 10122	DWR 1877 <i>Beauveria bassiana</i> 11502	DWR 1943 <i>Beauveria bassiana</i> 11560
DWR 1813 <i>Metarhizium</i> sp. 10123	DWR 1878 <i>Beauveria bassiana</i> 11503	DWR 1944 <i>Beauveria bassiana</i> 11561
DWR 1814 <i>Metarhizium</i> sp. 10124	DWR 1879 <i>Beauveria bassiana</i> 11504	DWR 1945 <i>Beauveria bassiana</i> 11562
DWR 1815 <i>Metarhizium</i> sp. 10125	DWR 1880 <i>Beauveria bassiana</i> 11505	DWR 1946 <i>Beauveria bassiana</i> 11563
DWR 1816 <i>Beauveria bassiana</i> 11449	DWR 1881 <i>Beauveria bassiana</i> 11506	DWR 1947 <i>Beauveria bassiana</i> 11564
DWR 1817 <i>Beauveria bassiana</i> 11450	DWR 1882 <i>Beauveria bassiana</i> 11507	DWR 1948 <i>Beauveria bassiana</i> 11565
DWR 1818 <i>Beauveria bassiana</i> 11451	DWR 1883 <i>Beauveria bassiana</i> 11508	DWR 1949 <i>Metarhizium</i> sp. 10325
DWR 1819 <i>Beauveria bassiana</i> 11452	DWR 1884 <i>Beauveria bassiana</i> 11509	DWR 1950 <i>Metarhizium</i> sp. 10326
DWR 1820 <i>Beauveria bassiana</i> 11453	DWR 1885 <i>Beauveria bassiana</i> 11510	DWR 1951 <i>Metarhizium</i> sp. 10327
DWR 1821 <i>Beauveria bassiana</i> 11454	DWR 1886 <i>Beauveria bassiana</i> 11511	DWR 1952 <i>Beauveria bassiana</i> 11566
DWR 1822 <i>Beauveria bassiana</i> 11455	DWR 1887 <i>Beauveria bassiana</i> 11512	DWR 1953 <i>Beauveria bassiana</i> 11567
DWR 1823 <i>Beauveria bassiana</i> 11456	DWR 1888 <i>Beauveria bassiana</i> 11513	DWR 1954 <i>Metarhizium</i> sp. 10328
DWR 1824 <i>Beauveria bassiana</i> 11457	DWR 1889 <i>Beauveria bassiana</i> 11514	DWR 1955 <i>Metarhizium</i> sp. 10329
DWR 1825 <i>Beauveria bassiana</i> 11458	DWR 1890 <i>Beauveria bassiana</i> 11515	DWR 1956 <i>Metarhizium</i> sp. 10330
DWR 1826 <i>Beauveria bassiana</i> 11459	DWR 1891 <i>Beauveria bassiana</i> 11516	DWR 1957 <i>Metarhizium</i> sp. 10331
DWR 1827 <i>Beauveria bassiana</i> 11460	DWR 1892 <i>Beauveria bassiana</i> 11517	DWR 1958 <i>Metarhizium</i> sp. 10332
DWR 1828 <i>Beauveria bassiana</i> 11461	DWR 1893 <i>Beauveria bassiana</i> 11518	DWR 1959 <i>Beauveria bassiana</i> 11568
DWR 1829 <i>Beauveria bassiana</i> 11462	DWR 1894 <i>Beauveria bassiana</i> 11519	DWR 1960 <i>Beauveria bassiana</i> 11569
DWR 1830 <i>Beauveria bassiana</i> 11463	DWR 1895 <i>Beauveria bassiana</i> 11520	DWR 1961 <i>Beauveria bassiana</i> 11570
DWR 1831 <i>Beauveria bassiana</i> 11464	DWR 1896 <i>Beauveria bassiana</i> 11521	DWR 1962 <i>Beauveria bassiana</i> 11571
DWR 1832 <i>Beauveria bassiana</i> 11465	DWR 1897 <i>Beauveria bassiana</i> 11522	DWR 1963 <i>Beauveria bassiana</i> 11572
DWR 1833 <i>Beauveria bassiana</i> 11466	DWR 1898 <i>Beauveria bassiana</i> 11523	DWR 1964 <i>Beauveria bassiana</i> 11573
DWR 1834 <i>Beauveria bassiana</i> 11467	DWR 1899 <i>Beauveria bassiana</i> 11875	DWR 1965 <i>Beauveria bassiana</i> 11574
DWR 1835 <i>Beauveria bassiana</i> 11468	DWR 1900 <i>Beauveria bassiana</i> 11524	DWR 1966 <i>Beauveria bassiana</i> 11575
DWR 1836 <i>Beauveria bassiana</i> 11469	DWR 1901 <i>Beauveria bassiana</i> 11525	DWR 1967 <i>Beauveria bassiana</i> 11576
DWR 1837 <i>Beauveria bassiana</i> 11470	DWR 1902 <i>Beauveria bassiana</i> 11526	DWR 1968 <i>Beauveria bassiana</i> 11577
DWR 1838 <i>Beauveria bassiana</i> 11471	DWR 1903 <i>Beauveria bassiana</i> 11527	DWR 1969 <i>Beauveria bassiana</i> 11578
DWR 1839 <i>Beauveria bassiana</i> 11472	DWR 1904 <i>Beauveria bassiana</i> 11528	DWR 1970 <i>Beauveria bassiana</i> 11579
DWR 1840 <i>Beauveria bassiana</i> 11473	DWR 1905 <i>Beauveria bassiana</i> 11529	DWR 1971 <i>Metarhizium</i> sp. 10333
DWR 1841 <i>Beauveria bassiana</i> 11474	DWR 1906 <i>Beauveria bassiana</i> 11530	DWR 1972 <i>Beauveria bassiana</i> 11580
DWR 1842 <i>Beauveria bassiana</i> 11475	DWR 1907 <i>Beauveria bassiana</i> 11531	DWR 1973 <i>Beauveria bassiana</i> 11581
DWR 1843 <i>Beauveria bassiana</i> 11476	DWR 1908 <i>Metarhizium</i> sp. 10321	DWR 1974 <i>Beauveria bassiana</i> 11582
DWR 1844 <i>Metarhizium</i> sp. 10126	DWR 1909 <i>Metarhizium</i> sp. 10322	DWR 1975 <i>Beauveria bassiana</i> 11583
DWR 1845 <i>Metarhizium</i> sp. 10314	DWR 1910 <i>Beauveria bassiana</i> 11532	DWR 1976 <i>Beauveria bassiana</i> 11879
DWR 1846 <i>Beauveria bassiana</i> 11477	DWR 1911 <i>Beauveria bassiana</i> 11533	DWR 1977 <i>Beauveria bassiana</i> 11880
DWR 1847 <i>Beauveria bassiana</i> 11478	DWR 1912 <i>Beauveria bassiana</i> 11534	DWR 1978 <i>Beauveria bassiana</i> 11584
DWR 1848 <i>Beauveria bassiana</i> 11479	DWR 1913 <i>Beauveria bassiana</i> 11535	DWR 1979 <i>Beauveria bassiana</i> 11585
DWR 1849 <i>Beauveria bassiana</i> 11480	DWR 1914 <i>Beauveria bassiana</i> 11536	DWR 1980 <i>Beauveria bassiana</i> 11586
DWR 1850 <i>Beauveria bassiana</i> 11481	DWR 1915 <i>Beauveria bassiana</i> 11537	DWR 1981 <i>Beauveria bassiana</i> 11587
DWR 1851 <i>Beauveria bassiana</i> 11482	DWR 1916 <i>Beauveria bassiana</i> 11538	DWR 1983 <i>Beauveria bassiana</i> 11881
DWR 1852 <i>Beauveria bassiana</i> 11483	DWR 1917 <i>Beauveria bassiana</i> 11539	DWR 1984 <i>Beauveria bassiana</i> 11882
DWR 1853 <i>Beauveria bassiana</i> 11484	DWR 1918 <i>Beauveria bassiana</i> 11540	DWR 1985 <i>Beauveria bassiana</i> 11883
DWR 1854 <i>Beauveria bassiana</i> 11485	DWR 1919 <i>Beauveria bassiana</i> 11541	DWR 1986 <i>Beauveria bassiana</i> 11884
DWR 1855 <i>Metarhizium</i> sp. 10315	DWR 1920 <i>Beauveria bassiana</i> 11542	DWR 1987 <i>Beauveria bassiana</i> 11885
DWR 1856 <i>Metarhizium</i> sp. 10316	DWR 1921 <i>Beauveria bassiana</i> 11543	DWR 1988 <i>Beauveria bassiana</i> 11589
DWR 1857 <i>Metarhizium</i> sp. 10317	DWR 1922 <i>Beauveria bassiana</i> 11544	DWR 1989 <i>Beauveria bassiana</i> 11590
DWR 1858 <i>Metarhizium</i> sp. 10318	DWR 1923 <i>Beauveria bassiana</i> 11545	DWR 1990 <i>Beauveria bassiana</i> 11591
DWR 1859 <i>Metarhizium</i> sp. 10319	DWR 1924 <i>Beauveria bassiana</i> 11546	DWR 1991 <i>Beauveria bassiana</i> 11592
DWR 1860 <i>Metarhizium</i> sp. 10320	DWR 1925 <i>Beauveria bassiana</i> 11547	DWR 1992 <i>Beauveria bassiana</i> 11593
DWR 1861 <i>Beauveria bassiana</i> 11486	DWR 1926 <i>Beauveria bassiana</i> 11548	DWR 1993 <i>Beauveria bassiana</i> 11594
DWR 1862 <i>Beauveria bassiana</i> 11487	DWR 1927 <i>Beauveria bassiana</i> 11549	DWR 1994 <i>Beauveria bassiana</i> 11595
DWR 1863 <i>Beauveria bassiana</i> 11488	DWR 1928 <i>Beauveria bassiana</i> 11550	DWR 1995 <i>Beauveria bassiana</i> 11596
DWR 1864 <i>Beauveria bassiana</i> 11489	DWR 1929 <i>Beauveria bassiana</i> 11551	DWR 1996 <i>Metarhizium</i> sp. 10334
DWR 1865 <i>Beauveria bassiana</i> 11490	DWR 1930 <i>Beauveria bassiana</i> 11552	DWR 1997 <i>Metarhizium robertsii</i> 10000
DWR 1866 <i>Beauveria bassiana</i> 11491	DWR 1931 <i>Beauveria bassiana</i> 11553	DWR 1998 <i>Metarhizium</i> sp. 10335
	DWR 1932 <i>Beauveria bassiana</i> 11554	DWR 1999 <i>Metarhizium</i> sp. 10336

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- DWR 200 *Metarhizium anisopliae* sensu lato 8363
- DWR 2000 *Beauveria bassiana* 11597
- DWR 2001 *Beauveria bassiana* 11598
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- DWR 2003 *Metarhizium* sp. 10337
- DWR 2004 *Metarhizium* sp. 10338
- DWR 2005 *Metarhizium* sp. 10339
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- DWR 2007 *Metarhizium* sp. 10341
- DWR 2008 *Metarhizium* sp. 10342
- DWR 2009 *Metarhizium* sp. 10343
- DWR 2010 *Metarhizium* sp. 10344
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- DWR 2012 *Beauveria bassiana* 11600
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- DWR 2023 *Beauveria bassiana* 11611
- DWR 2024 *Beauveria bassiana* 11612
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- DWR 2026 *Beauveria bassiana* 11886
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- DWR 2030 *Beauveria bassiana* 11890
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- DWR 2170 *Beauveria bassiana* 11986
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- DWR 2172 *Pochonia* sp. 12195
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- DWR 2184 *Beauveria bassiana* 11999
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DWR 45 *Metarhizium anisopliae* sensu lato 6829
DWR 456 *Metarhizium* sp. 9641
DWR 457 *Metarhizium* sp. 9642
DWR 459 *Metarhizium* sp. 9643
DWR 46 *Metarhizium anisopliae* sensu lato 6830
DWR 460 *Metarhizium* sp. 9644
DWR 461 *Metarhizium* sp. 9645
DWR 462 *Metarhizium* sp. 9646
DWR 463 *Metarhizium* sp. 9647
DWR 464 *Metarhizium* sp. 9648
DWR 465 *Metarhizium* sp. 9649
DWR 466 *Beauveria bassiana* 10542
DWR 467 *Beauveria bassiana* 10543
DWR 468 *Beauveria bassiana* 10544
DWR 469 *Beauveria bassiana* 10545
DWR 47 *Metarhizium anisopliae* sensu lato 6831
DWR 471 *Metarhizium* sp. 9650
DWR 472 *Metarhizium* sp. 9651
DWR 473 *Metarhizium* sp. 9652
DWR 474 *Beauveria bassiana* 10546
DWR 475 *Myriodontium keratinophilum* 10547
DWR 476 *Beauveria bassiana* 10548
DWR 477 *Beauveria bassiana* 10549
DWR 478 *Metarhizium* sp. 9653
DWR 479 *Metarhizium* sp. 9654
DWR 48 *Metarhizium anisopliae* sensu lato 6832
DWR 480 *Metarhizium* sp. 9655
DWR 481 *Beauveria bassiana* 10550
DWR 482 *Beauveria bassiana* 10551
DWR 483 *Beauveria bassiana* 10552
DWR 484 *Metarhizium* sp. 9656
DWR 485 *Metarhizium* sp. 9657
DWR 486 *Beauveria bassiana* 10553
DWR 487 *Beauveria bassiana* 10554
DWR 488 *Beauveria bassiana* 10555
DWR 489 *Beauveria bassiana* 10556
DWR 49 *Metarhizium anisopliae* sensu lato 6833
DWR 490 *Beauveria bassiana* 10557
DWR 491 *Beauveria bassiana* 10558
DWR 492 *Beauveria bassiana* 10559
DWR 493 *Beauveria bassiana* 10560
DWR 494 *Beauveria bassiana* 10561

- DWR 495 *Beauveria bassiana* 10562
DWR 496 *Beauveria bassiana* 10563
DWR 497 *Metarhizium* sp. 9658
DWR 498 *Metarhizium* sp. 9659
DWR 499 *Metarhizium* sp. 9660
DWR 50 *Metarhizium anisopliae* sensu lato 6834
DWR 500 *Metarhizium* sp. 9661
DWR 501 *Metarhizium* sp. 9662
DWR 502 *Metarhizium* sp. 9663
DWR 503 *Metarhizium* sp. 9664
DWR 504 *Metarhizium* sp. 9665
DWR 505 *Metarhizium* sp. 9666
DWR 506 *Beauveria bassiana* 10564
DWR 507 *Metarhizium* sp. 9667
DWR 508 *Metarhizium* sp. 9668
DWR 509 *Metarhizium* sp. 9669
DWR 51 *Metarhizium anisopliae* sensu lato 6835
DWR 510 *Metarhizium* sp. 9670
DWR 511 *Beauveria bassiana* 10565
DWR 512 *Metarhizium* sp. 9671
DWR 513 *Metarhizium* sp. 9672
DWR 514 *Metarhizium* sp. 9673
DWR 515 *Metarhizium* sp. 9674
DWR 516 *Metarhizium* sp. 9675
DWR 517 *Metarhizium* sp. 9676
DWR 518 *Metarhizium* sp. 9677
DWR 519 *Metarhizium* sp. 9678
DWR 52 *Metarhizium anisopliae* sensu lato 6836
DWR 520 *Metarhizium* sp. 9679
DWR 521 *Metarhizium* sp. 9680
DWR 522 *Metarhizium* sp. 9681
DWR 523 *Metarhizium* sp. 9682
DWR 524 *Metarhizium* sp. 9683
DWR 525 *Metarhizium* sp. 9684
DWR 526 *Metarhizium* sp. 9685
DWR 527 *Beauveria bassiana* 10566
DWR 528 *Beauveria bassiana* 10567
DWR 529 *Metarhizium* sp. 9686
DWR 53 *Metarhizium anisopliae* sensu lato 6837
DWR 530 *Beauveria bassiana* 10568
DWR 531 *Beauveria bassiana* 10569
DWR 532 *Beauveria bassiana* 10570
DWR 533 *Beauveria bassiana* 10571
DWR 534 *Metarhizium* sp. 9687
DWR 535 *Metarhizium* sp. 9688
DWR 536 *Beauveria bassiana* 10572
DWR 537 *Beauveria bassiana* 10573
DWR 538 *Beauveria bassiana* 10574
DWR 539 *Beauveria pseudobassiana* 10575
DWR 54 *Metarhizium anisopliae* sensu lato 6838
DWR 540 *Beauveria bassiana* 10576
DWR 541 *Metarhizium* sp. 9689
DWR 542 *Metarhizium* sp. 9690
DWR 543 *Metarhizium* sp. 9691
DWR 544 *Metarhizium* sp. 9692
DWR 545 *Metarhizium* sp. 9693
DWR 546 *Metarhizium* sp. 9694
DWR 547 *Metarhizium* sp. 9695
DWR 548 *Beauveria bassiana* 10577
DWR 549 *Beauveria bassiana* 10578
DWR 55 *Metarhizium anisopliae* sensu lato 6839
DWR 550 *Metarhizium* sp. 9696
DWR 551 *Beauveria bassiana* 10579
DWR 552 *Beauveria bassiana* 10580
DWR 553 *Beauveria bassiana* 10581
DWR 554 *Beauveria bassiana* 10582
DWR 555 *Beauveria bassiana* 10583
DWR 556 *Beauveria bassiana* 10584
DWR 557 *Beauveria bassiana* 10585
DWR 558 *Beauveria bassiana* 10586
DWR 559 *Beauveria bassiana* 10587
DWR 560 *Beauveria bassiana* 10588
DWR 561 *Beauveria bassiana* 10589
DWR 562 *Beauveria bassiana* 10590
DWR 563 *Beauveria bassiana* 10591
DWR 564 *Beauveria bassiana* 10592
DWR 565 *Beauveria bassiana* 10593
DWR 566 *Beauveria pseudobassiana* 10594
DWR 567 *Beauveria bassiana* 10595
DWR 568 *Beauveria bassiana* 10596
DWR 569 *Beauveria bassiana* 10597
DWR 570 *Beauveria pseudobassiana* 10598
DWR 571 *Beauveria bassiana* 10599
DWR 572 *Metarhizium* sp. 9697
DWR 573 *Metarhizium* sp. 9698
DWR 574 *Metarhizium* sp. 9699
DWR 575 *Metarhizium* sp. 9700
DWR 576 *Metarhizium* sp. 9701
DWR 577 *Metarhizium* sp. 9702
DWR 578 *Metarhizium* sp. 9703
DWR 579 *Metarhizium* sp. 9704
DWR 58 *Metarhizium anisopliae* sensu lato 6840
DWR 580 *Metarhizium* sp. 9705
DWR 581 *Metarhizium* sp. 9706
DWR 582 *Metarhizium* sp. 9707
DWR 583 *Beauveria bassiana* 10600
DWR 584 *Beauveria bassiana* 10601
DWR 585 *Beauveria bassiana* 10602
DWR 586 *Beauveria bassiana* 10603
DWR 587 *Metarhizium* sp. 9708
DWR 588 *Metarhizium* sp. 9709
DWR 589 *Metarhizium* sp. 9710
DWR 59 *Metarhizium robertsii* 6841
DWR 590 *Metarhizium* sp. 9711
DWR 591 *Metarhizium* sp. 9712
DWR 592 *Metarhizium* sp. 9713
DWR 593 *Metarhizium* sp. 9714
DWR 594 *Metarhizium* sp. 9715
DWR 595 *Metarhizium* sp. 9716
DWR 596 *Metarhizium* sp. 9717
DWR 597 *Metarhizium* sp. 9718
DWR 598 *Metarhizium* sp. 9719
DWR 599A *Metarhizium* sp. 9720
DWR 599B *Metarhizium* sp. 9721
DWR 60 *Metarhizium robertsii* 6842
DWR 600A *Metarhizium* sp. 9722
DWR 600B *Metarhizium* sp. 9723
DWR 601 *Metarhizium* sp. 9724
DWR 602 *Metarhizium* sp. 9725
DWR 603 *Metarhizium* sp. 9726
DWR 604 *Metarhizium* sp. 9727
DWR 605 *Metarhizium* sp. 9728
DWR 606 *Beauveria bassiana* 10604
DWR 607 *Beauveria bassiana* 10605
DWR 608 *Beauveria bassiana* 10606
DWR 609 *Beauveria bassiana* 10607
DWR 61 *Metarhizium robertsii* 6843
DWR 610 *Beauveria pseudobassiana* 10608
DWR 611 *Beauveria bassiana* 10609
DWR 612 *Beauveria bassiana* 10610
DWR 613 *Beauveria bassiana* 10611
DWR 614 *Beauveria bassiana* 10612
DWR 615 *Beauveria bassiana* 10613
DWR 616 *Beauveria bassiana* 10614
DWR 617 *Beauveria bassiana* 10615
DWR 618 *Beauveria pseudobassiana* 10616
DWR 619 *Metarhizium* sp. 9729
DWR 62 *Metarhizium robertsii* 6755
DWR 62 *Metarhizium robertsii* 6844
DWR 620 *Metarhizium* sp. 9730
DWR 621 *Metarhizium* sp. 9731
DWR 622 *Beauveria bassiana* 10617
DWR 623 *Beauveria pseudobassiana* 10618
DWR 624 *Beauveria bassiana* 10619
DWR 625 *Beauveria bassiana* 10620
DWR 626 *Beauveria bassiana* 10621
DWR 627 *Beauveria bassiana* 10622
DWR 628 *Beauveria pseudobassiana* 10623
DWR 629 *Beauveria bassiana* 10624
DWR 63 *Metarhizium robertsii* 6845
DWR 630 *Beauveria bassiana* 10625
DWR 631 *Beauveria bassiana* 10626
DWR 632 *Metarhizium* sp. 9732
DWR 633 *Metarhizium* sp. 9733
DWR 634 *Metarhizium* sp. 9734
DWR 635 *Metarhizium* sp. 9735
DWR 636 *Metarhizium* sp. 9736
DWR 637 *Metarhizium* sp. 9737
DWR 638 *Metarhizium* sp. 9738
DWR 639 *Metarhizium* sp. 9739
DWR 64 *Metarhizium robertsii* 6846
DWR 640 *Metarhizium* sp. 9740
DWR 641 *Metarhizium* sp. 9741
DWR 642 *Metarhizium* sp. 9742
DWR 643 *Metarhizium* sp. 9743
DWR 644 *Beauveria bassiana* 10627
DWR 645 *Beauveria pseudobassiana* 10628
DWR 646 *Beauveria bassiana* 10629
DWR 647 *Beauveria pseudobassiana* 10630
DWR 648 *Beauveria bassiana* 10631
DWR 649 *Beauveria bassiana* 10632
DWR 65 *Metarhizium robertsii* 6847
DWR 650 *Beauveria bassiana* 10633
DWR 651 *Beauveria pseudobassiana* 10634
DWR 652 *Beauveria pseudobassiana* 10635
DWR 653 *Beauveria bassiana* 10636
DWR 654 *Beauveria bassiana* 10637
DWR 655 *Metarhizium* sp. 9744
DWR 656 *Metarhizium* sp. 9745
DWR 657 *Metarhizium* sp. 9746

- DWR 658 *Metarhizium* sp. 9747
DWR 659 *Metarhizium* sp. 9748
DWR 66 *Metarhizium robertsii* 6848
DWR 660 *Metarhizium* sp. 9749
DWR 661 *Beauveria bassiana* 10638
DWR 662 *Beauveria bassiana* 10639
DWR 663 *Beauveria bassiana* 10640
DWR 664 *Beauveria bassiana* 10641
DWR 665 *Beauveria bassiana* 10642
DWR 666 *Beauveria bassiana* 10643
DWR 667 *Beauveria pseudobassiana* 10644
DWR 668 *Beauveria bassiana* 10645
DWR 669 *Metarhizium* sp. 9750
DWR 67 *Metarhizium anisopliae* sensu lato 6849
DWR 670 *Metarhizium* sp. 9751
DWR 671 *Beauveria pseudobassiana* 10646
DWR 672 *Beauveria bassiana* 10647
DWR 673 *Beauveria pseudobassiana* 10648
DWR 674 *Beauveria bassiana* 10649
DWR 675 *Beauveria amorphia* 10650
DWR 676 *Beauveria bassiana* 10651
DWR 677 *Beauveria bassiana* 10652
DWR 678 *Beauveria bassiana* 10653
DWR 679 *Beauveria bassiana* 10654
DWR 680 *Beauveria bassiana* 10655
DWR 681 *Beauveria bassiana* 10656
DWR 682 *Beauveria bassiana* 10657
DWR 683 *Beauveria pseudobassiana* 10658
DWR 684 *Beauveria bassiana* 10659
DWR 685 *Beauveria bassiana* 10660
DWR 686 *Beauveria bassiana* 10661
DWR 687 *Beauveria bassiana* 10662
DWR 688 *Beauveria bassiana* 10663
DWR 689 *Beauveria bassiana* 10664
DWR 690 *Beauveria bassiana* 10665
DWR 691 *Beauveria bassiana* 10666
DWR 692 *Metarhizium* sp. 9752
DWR 693 *Metarhizium* sp. 9753
DWR 694 *Metarhizium* sp. 9754
DWR 695 *Metarhizium* sp. 9755
DWR 696 *Metarhizium* sp. 9756
DWR 697 *Metarhizium* sp. 9757
DWR 698 *Beauveria pseudobassiana* 10667
DWR 699 *Beauveria pseudobassiana* 10668
DWR 700 *Beauveria bassiana* 10669
DWR 701 *Beauveria pseudobassiana* 10670
DWR 702 *Beauveria pseudobassiana* 10671
DWR 703 *Beauveria pseudobassiana* 10672
DWR 704 *Beauveria bassiana* 10673
DWR 705 *Beauveria pseudobassiana* 10674
DWR 706 *Beauveria bassiana* 10675
DWR 707 *Beauveria pseudobassiana* 10676
DWR 708 *Beauveria pseudobassiana* 10677
DWR 709 *Beauveria bassiana* 10678
DWR 71 *Metarhizium anisopliae* sensu lato 6850
DWR 710 *Beauveria bassiana* 10679
DWR 711 *Beauveria bassiana* 10680
DWR 712 *Metarhizium* sp. 9758
DWR 713 *Metarhizium* sp. 9759
DWR 714 *Metarhizium* sp. 9760
DWR 715 *Metarhizium* sp. 9761
DWR 716 *Metarhizium* sp. 9762
DWR 717 *Beauveria bassiana* 10681
DWR 718 *Beauveria bassiana* 10682
DWR 719 *Beauveria bassiana* 10683
DWR 720 *Beauveria bassiana* 10684
DWR 721 *Beauveria bassiana* 10685
DWR 722 *Beauveria bassiana* 10686
DWR 723 *Beauveria bassiana* 10687
DWR 724 *Beauveria pseudobassiana* 10688
DWR 725 *Beauveria bassiana* 10689
DWR 726 *Beauveria pseudobassiana* 10690
DWR 727 *Beauveria bassiana* 10691
DWR 728 *Beauveria bassiana* 10692
DWR 729 *Beauveria bassiana* 10693
DWR 730 *Beauveria bassiana* 10694
DWR 731 *Beauveria bassiana* 10695
DWR 732 *Beauveria bassiana* 10696
DWR 733 *Beauveria bassiana* 10697
DWR 734 *Beauveria bassiana* 10698
DWR 735 *Beauveria bassiana* 10699
DWR 736 *Beauveria bassiana* 10700
DWR 737 *Beauveria pseudobassiana* 10701
DWR 738 *Beauveria bassiana* 10702
DWR 739 *Beauveria pseudobassiana* 10703
DWR 740 *Beauveria bassiana* 10704
DWR 741 *Metarhizium* sp. 9763
DWR 742 *Metarhizium* sp. 9764
DWR 743 *Beauveria bassiana* 10705
DWR 744 *Beauveria bassiana* 10706
DWR 745 *Beauveria pseudobassiana* 10707
DWR 746 *Beauveria bassiana* 10708
DWR 747 *Beauveria pseudobassiana* 10709
DWR 748 *Beauveria bassiana* 10710
DWR 749 *Beauveria bassiana* 10711
DWR 750 *Beauveria bassiana* 10712
DWR 751 *Beauveria bassiana* 10713
DWR 752 *Beauveria bassiana* 10714
DWR 753 *Beauveria bassiana* 10715
DWR 754 *Beauveria bassiana* 10716
DWR 755 *Beauveria bassiana* 10717
DWR 756 *Beauveria bassiana* 10718
DWR 757 *Beauveria bassiana* 10719
DWR 758 *Metarhizium* sp. 9765
DWR 759 *Metarhizium* sp. 9766
DWR 760 *Metarhizium* sp. 9767
DWR 761 *Metarhizium* sp. 9768
DWR 762 *Metarhizium* sp. 9769
DWR 763 *Metarhizium* sp. 9770
DWR 764 *Metarhizium* sp. 9771
DWR 765 *Metarhizium* sp. 9772
DWR 766 *Metarhizium* sp. 9773
DWR 767 *Metarhizium* sp. 9774
DWR 768 *Metarhizium* sp. 9775
DWR 769 *Beauveria pseudobassiana* 10720
DWR 770 *Beauveria bassiana* 10721
DWR 771 *Beauveria bassiana* 10722
DWR 772 *Beauveria bassiana* 10723
DWR 773 *Beauveria bassiana* 10724
DWR 774 *Beauveria bassiana* 10725
DWR 775 *Beauveria bassiana* 10726
DWR 776 *Beauveria bassiana* 10727
DWR 777 *Beauveria bassiana* 10728
DWR 778 *Beauveria bassiana* 10729
DWR 779 *Beauveria pseudobassiana* 10730
DWR 780 *Beauveria bassiana* 10731
DWR 781 *Beauveria pseudobassiana* 10732
DWR 782 *Beauveria bassiana* 10733
DWR 783 *Beauveria bassiana* 10734
DWR 784 *Beauveria bassiana* 10735
DWR 785 *Beauveria bassiana* 10736
DWR 786 *Beauveria bassiana* 10737
DWR 787 *Beauveria bassiana* 10738
DWR 788 *Beauveria bassiana* 10739
DWR 789 *Beauveria bassiana* 10740
DWR 790 *Beauveria bassiana* 10741
DWR 791 *Beauveria bassiana* 10742
DWR 792 *Beauveria bassiana* 10743
DWR 793 *Metarhizium* sp. 9776
DWR 794 *Metarhizium* sp. 9777
DWR 795 *Metarhizium* sp. 9778
DWR 796 *Metarhizium* sp. 9779
DWR 797 *Metarhizium* sp. 9780
DWR 798 *Metarhizium* sp. 9781
DWR 799 *Metarhizium* sp. 9782
DWR 800 *Metarhizium* sp. 9783
DWR 801 *Metarhizium* sp. 9784
DWR 802 *Metarhizium* sp. 9785
DWR 803 *Metarhizium* sp. 9786
DWR 804 *Metarhizium* sp. 9787
DWR 805 *Metarhizium* sp. 9788
DWR 806 *Metarhizium* sp. 9789
DWR 807 *Metarhizium* sp. 9790
DWR 808 *Beauveria bassiana* 10744
DWR 809 *Beauveria bassiana* 10745
DWR 810 *Beauveria bassiana* 10746
DWR 811 *Beauveria bassiana* 10747
DWR 812 *Beauveria bassiana* 10748
DWR 813 *Beauveria bassiana* 10749
DWR 814 *Beauveria bassiana* 10750
DWR 815 *Beauveria bassiana* 10751
DWR 817 *Beauveria bassiana* 10752
DWR 818 *Metarhizium* sp. 9791
DWR 819 *Metarhizium* sp. 9792
DWR 820 *Metarhizium* sp. 9793
DWR 821 *Metarhizium* sp. 9794
DWR 822 *Metarhizium* sp. 9795
DWR 823 *Metarhizium* sp. 9796
DWR 824 *Metarhizium* sp. 9797
DWR 825 *Metarhizium* sp. 9798
DWR 826 *Metarhizium* sp. 9799
DWR 827 *Metarhizium* sp. 9800
DWR 828 *Metarhizium* sp. 9801
DWR 829 *Metarhizium* sp. 9802
DWR 830 *Metarhizium* sp. 9803

- DWR 831 *Metarhizium* sp. 9804
DWR 832 *Metarhizium* sp. 9805
DWR 833 *Metarhizium* sp. 9806
DWR 834 *Metarhizium* sp. 9807
DWR 835 *Metarhizium* sp. 9808
DWR 836 *Metarhizium* sp. 9809
DWR 837 *Metarhizium* sp. 9810
DWR 838 *Metarhizium* sp. 9811
DWR 839 *Metarhizium* sp. 9812
DWR 840 *Metarhizium* sp. 9813
DWR 841 *Metarhizium* sp. 9814
DWR 842 *Metarhizium* sp. 9815
DWR 843 *Metarhizium* sp. 9816
DWR 844 *Metarhizium* sp. 9817
DWR 845 *Metarhizium* sp. 9818
DWR 846 *Metarhizium* sp. 9819
DWR 847 *Metarhizium* sp. 9820
DWR 848 *Metarhizium* sp. 9821
DWR 849 *Metarhizium* sp. 9822
DWR 850 *Metarhizium* sp. 9823
DWR 851 *Metarhizium* sp. 9824
DWR 852 *Metarhizium* sp. 9825
DWR 853 *Metarhizium* sp. 9826
DWR 854 *Beauveria pseudobassiana* 10753
DWR 855 *Beauveria bassiana* 10754
DWR 856 *Beauveria bassiana* 10755
DWR 857 *Beauveria bassiana* 10756
DWR 858 *Beauveria bassiana* 10757
DWR 859 *Beauveria bassiana* 10758
DWR 86 *Metarhizium anisopliae* sensu lato 6756
DWR 860 *Beauveria bassiana* 10759
DWR 861 *Beauveria bassiana* 10760
DWR 862 *Beauveria bassiana* 10761
DWR 863 *Beauveria bassiana* 10762
DWR 864 *Beauveria bassiana* 10763
DWR 865 *Beauveria bassiana* 10764
DWR 866 *Metarhizium* sp. 9827
DWR 867 *Metarhizium* sp. 9828
DWR 868 *Metarhizium* sp. 9829
DWR 869 *Metarhizium* sp. 9830
DWR 870 *Metarhizium* sp. 9831
DWR 871 *Metarhizium* sp. 9832
DWR 872 *Metarhizium* sp. 9833
DWR 873 *Metarhizium* sp. 9834
DWR 874 *Beauveria bassiana* 10765
DWR 875 *Beauveria bassiana* 10766
DWR 876 *Beauveria bassiana* 10767
DWR 877 *Beauveria bassiana* 10768
DWR 878 *Beauveria bassiana* 10769
DWR 879 *Beauveria bassiana* 10770
DWR 88 *Metarhizium anisopliae* sensu lato 6757
DWR 880 *Metarhizium* sp. 9835
DWR 881 *Metarhizium* sp. 9836
DWR 882 *Metarhizium* sp. 9837
DWR 883 *Beauveria bassiana* 11874
DWR 884 *Beauveria bassiana* 10771
DWR 885 *Beauveria pseudobassiana* 10772
DWR 886 *Beauveria bassiana* 10773
DWR 887 *Beauveria bassiana* 10774
DWR 888 *Beauveria bassiana* 10775
DWR 889 *Beauveria bassiana* 10776
DWR 890 *Beauveria bassiana* 10777
DWR 891 *Beauveria bassiana* 10778
DWR 892 *Beauveria bassiana* 10779
DWR 893 *Beauveria bassiana* 10780
DWR 894 *Beauveria bassiana* 10781
DWR 895 *Beauveria bassiana* 10782
DWR 896 *Beauveria bassiana* 10783
DWR 897 *Beauveria bassiana* 10784
DWR 898 *Beauveria bassiana* 10785
DWR 899 *Beauveria bassiana* 10786
DWR 90 *Metarhizium anisopliae* sensu lato 6758
DWR 900 *Metarhizium* sp. 9838
DWR 901 *Beauveria bassiana* 10787
DWR 902 *Beauveria bassiana* 10788
DWR 903 *Beauveria bassiana* 10789
DWR 904 *Beauveria bassiana* 10790
DWR 905 *Beauveria bassiana* 10791
DWR 906 *Beauveria bassiana* 10792
DWR 907 *Beauveria bassiana* 10793
DWR 908 *Beauveria bassiana* 10794
DWR 909 *Beauveria bassiana* 10795
DWR 91 *Metarhizium anisopliae* sensu lato 6759
DWR 910 *Beauveria bassiana* 10796
DWR 911 *Metarhizium* sp. 9839
DWR 912 *Metarhizium* sp. 9840
DWR 913 *Metarhizium* sp. 9841
DWR 914 *Metarhizium* sp. 9842
DWR 915 *Metarhizium* sp. 9843
DWR 916 *Metarhizium* sp. 9844
DWR 917 *Metarhizium* sp. 9845
DWR 918 *Metarhizium* sp. 9846
DWR 919 *Metarhizium* sp. 9847
DWR 92 *Metarhizium anisopliae* sensu lato 6760
DWR 920 *Metarhizium* sp. 9848
DWR 921 *Beauveria bassiana* 10797
DWR 922 *Beauveria bassiana* 10798
DWR 923 *Beauveria pseudobassiana* 10799
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 VL-70/2S *Engyodontium(?)* sp. 9475
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 VL-767 *Eolachovaea* sp. 7600
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 VL-911 *Beauveria* sp. 7597
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- St. Leger, Raymond J.**
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 137 *Isaria farinosa* 4010
 186 *Tolypocladium cylindrosporum* 2777
 187 *Tolypocladium cylindrosporum* 2778
 193 *Fusarium* sp. 4011
 194 *Beauveria bassiana* 4012
 195 *Beauveria bassiana* 4013
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 196 *Beauveria bassiana* 4015
 201 *Beauveria bassiana* 4016
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 202 *Beauveria bassiana* 4018
 205 *Beauveria bassiana* 4019
 211 *Metarhizium brunneum* 4020
 212 *Beauveria bassiana* 4021
 216 *Verticillium lecanii* 4022
 217 *Beauveria bassiana* 4023
 226 *Beauveria brongniartii* 4024
 227 *Verticillium lecanii* 4025
 228 *Beauveria bassiana* 4026
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 233 *Beauveria bassiana* 4028
 234 *Isaria farinosa* 4029
 237 *Beauveria bassiana* 4031
 238 *Beauveria bassiana* 4032
 239 *Lecanicillium muscarium* 4033
 240 *Beauveria bassiana* 4034
 244 *Beauveria bassiana* 4035
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 251 Unidentified sp. 4037
 253 *Beauveria bassiana* 4038
 259 *Isaria farinosa* 4039
 260 *Isaria farinosa* 4040
 261 *Beauveria bassiana* 4041
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 270 *Isaria farinosa* 4044
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 276 *Beauveria bassiana* 4046
 295 *Verticillium lecanii* 4047
 297 *Verticillium lecanii* 4048
 298 *Beauveria bassiana* 4049
 299 *Lecanicillium longisporum* 4050
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 349 *Beauveria bassiana* 4051
 355 *Beauveria bassiana* 4052
 356 *Beauveria bassiana* 4053
 359 *Beauveria bassiana* 4054
 362 *Beauveria bassiana* 4055
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 BP4 *Acremonium* sp. 4059
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 BT12 *Verticillium lecanii* 4070
 BT13 *Verticillium lecanii* 4071
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 BT3 *Verticillium lecanii* 4064
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 SSL 610 *Isaria farinosa* 5858
 SSL 615 *Verticillium lecanii* 5859
 SSL 617 *Isaria fumosorosea* 5860
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 SSL 631 *Beauveria bassiana* 5863
 SSL 633 *Beauveria bassiana* 5864
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 SSL 75 *Metarhizium anisopliae* sensu lato 5848
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 TT4 *Lecanicillium lecanii*(?) 5580
 TT4 *Verticillium lecanii* 5709
 TT5 *Acremonium* sp. 4063
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 2 *Pandora neophidid* 3249
 5 *Pandora neophidid* 3250
 6 *Pandora neophidid* 3251

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 UF 19A4 *Beauveria bassiana* 5971
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Strongman, Doug Dr.

1 *Hirsutella* sp. 2581

Su, Xiaoqing

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Sung, Jae-Mo

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 C-171 *Cordyceps militaris* 4845
 C-208 *Cordyceps* sp. 4846
 C-225-1 *Cordyceps militaris* 4869
 C-228 *Cordyceps roseostromata* 4870
 C-234 *Cordyceps roseostromata* 4871
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 C-238 *Cordyceps militaris* 4873
 C-273 *Cordyceps militaris* 4874
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 C-317 *Cordyceps* sp. 4848
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 C-322 *Beauveria asiatica* 4850
 C-328 *Cordyceps* sp. 4851
 C-331 *Cordyceps* sp. 4852
 C-332 *Beauveria* sp. 4853
 C-356 *Cordyceps* sp. 4854
 C-402 *Cordyceps* sp. 4855
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 KEFC-1109 Unidentified / *Hyphomycetes* 5698
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 KEFC-1190 *Metacordyceps yongmunensis* 5719
 KEFC-1306 *Synghliocladium* sp. 5720
 KEFC-1662 *Isaria tenuipes* 5700
 KEFC-199 *Cordyceps isarioides* 5688
 KEFC-251 *Beauveria sungii* 5689
 KEFC-2899 *Cordyceps staphylinidaecola* 6720
 KEFC-3530 *Beauveria sungii* 7043
 KEFC-3549 *Beauveria sungii* 7044
 KEFC-356 *Metarhizium anisopliae* sensu lato 5715
 KEFC-402 *Cordyceps bifusispora* 5690
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 KEFC-628 *Cordyceps pruinosus* 5693
 KEFC-642 *Metarhizium anisopliae* sensu lato 5716
 KEFC-783 *Cordyceps staphylinidaecola* 5718
 KEFC-783 *Cordyceps staphylinidaecola* 6719
 KEFC-835 *Metarhizium anisopliae* sensu lato 5717
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Sutton, Deanna A.

06-270 *Beauveria bassiana* 8601
 07-345 *Beauveria bassiana* 8602

Sweeney, Anthony W.

298A *Culicinomyces clavispurus* 644
 298B *Culicinomyces clavispurus* 645

Tanyeli, Elif

Dm-1 *Lecanicillium muscarium* 9267
Dm-10 *Isaria farinosa* 9276
Dm-11 *Isaria farinosa* 9277
Dm-12 *Isaria farinosa* 9278
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Batch No. B1830 *Metarhizium robertsii*
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Tatman, Kathy

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BRA-000027 Unidentified sp. 3860
BRA-000035 *Beauveria bassiana* 3858
BRA-000132 Unidentified sp. 3856
BRA-000141 *Isaria fumosorosea* 3852
BRA-000159 *Isaria fumosorosea* 3857
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BRA-000167 *Paecilomyces marquandii*
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M-168 *Beauveria bassiana* 326

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Teotor-Barsch, Gertrude

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F84-1-1 *Metarhizium anisopliae* sensu
lato 908
F84-1-1 *Metarhizium anisopliae* sensu
lato 909
F84-1-1 *Metarhizium anisopliae* sensu
lato 910
F84-1-1 *Metarhizium anisopliae* sensu
lato 911
F84-1-1 *Metarhizium anisopliae* sensu
lato 912
F84-1-1 *Metarhizium anisopliae* sensu
lato 913
F84-1-1 *Metarhizium anisopliae* sensu
lato 921
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F84-1-1 *Metarhizium anisopliae* sensu
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lato 967
F84-1-1 *Metarhizium anisopliae* sensu
lato 968
F84-1-1 *Metarhizium anisopliae* sensu
lato 1022
F84-1-1 *Metarhizium anisopliae* sensu
lato 1023
F84-1-1 *Metarhizium anisopliae* sensu
lato 1024
F84-1-1 *Metarhizium anisopliae* sensu
lato 1025
F84-1-1 *Metarhizium anisopliae* sensu
lato 1083
F84-1-1 *Metarhizium anisopliae* sensu
lato 1084
F84-1-1 *Metarhizium anisopliae* sensu
lato 1085
F84-1-1 *Metarhizium anisopliae* sensu
lato 1086
F84-1-1 *Metarhizium anisopliae* sensu
lato 1087
F84-1-1 *Metarhizium anisopliae* sensu
lato 1088
F84-1-1 *Metarhizium anisopliae* sensu
lato 1089
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lato 1097

TeStrake, Diane

TL-10 *Basidiobolus* sp. 2048
TL-12 *Basidiobolus* sp. 2049
TL-13 *Basidiobolus* sp. 2050
TT-5 *Basidiobolus* sp. 2051
TT-9 *Basidiobolus* sp. 2052

Thamarai Chelvi, C.

1 *Metarhizium anisopliae* sensu stricto
10472
2 *Metarhizium anisopliae* sensu stricto
10473
3 *Metarhizium anisopliae* sensu stricto
10474
4 *Metarhizium anisopliae* sensu stricto
10475
5 *Metarhizium anisopliae* sensu stricto
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lato 4338
SOL IS 12 *Metarhizium anisopliae* sensu
lato 4336
SOL IS 12 *Metarhizium anisopliae* sensu
lato 4341
SOL IS 14 *Metarhizium anisopliae* sensu
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CG-186 *Paecilomyces* sp. 3853
CG-334 Unidentified sp. 3856
CG-335 *Isaria fumosorosea* 3852
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CG-371 *Purpureocillium lilacinum* 3854
CG-371 *Paecilomyces marquandii* 3855
CG-76#1 *Beauveria* sp. 3859
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907 Unidentified / Hyphomycetes 5240
908 Unidentified / Hyphomycetes 5241
BG2 Unidentified / Hyphomycetes 5239
C1 *Drechmeria coniospora* 3354
C11 Sterile mycelium 3735
C3 *Hirsutella rhossiliensis* 3207
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MS-3 Unidentified / Hyphomycetes
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MS-5 Unidentified / Hyphomycetes
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MS-8 Unidentified / Hyphomycetes
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TN-12 Unidentified / Hyphomycetes
5242
TN-14 Unidentified / Hyphomycetes
5243

Tiwary, B. N.

- IF-1 *Fusarium* sp. 8277
- IF-10 *Fusarium* sp. 8281
- IF-11 *Fusarium* sp. 8282
- IF-12 *Fusarium* sp. 8283
- IF-13 *Aspergillus* sp. 8284
- IF-14 *Fusarium* sp. 8285
- IF-19 *Fusarium* sp. 8286
- IF-2 *Fusarium* sp. 8278
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- IF-5 *Fusarium* sp. 8279
- IF-7 *Aspergillus* sp. 8280
- SCF-3 *Fusarium* sp. 8288
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- SCF-8 *Fusarium lateritium* 8291
- SCF-9 *Aspergillus* sp. 8292
- SFN-1 *Aspergillus* sp. 8519

Toledo, Andrea V.

- HC063 *Hirsutella citriformis* 8677
- HC064 *Hirsutella citriformis* 8678
- HC065 *Hirsutella citriformis* 8679
- ZR062 *Zoophthora radicans* 8466

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- Ral 5 *Metarhizium anisopliae* sensu lato 8769
- Ral 6 *Isaria farinosa* 8770
- Ral12T *Scopulariopsis brevicaulis* 9943

Tucker, Bruce E.

- 171 *Conidiobolus coronatus* 274

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- 11 *Fusarium* sp. 6394
- 12 *Fusarium* sp. 6395
- 16 *Fusarium* sp. 6396
- 17 *Fusarium* sp. 6425
- 18 *Fusarium* sp. 6397
- 19 *Fusarium* sp. 6398
- 20 *Aspergillus* sp. 6399
- 21 *Fusarium* sp. 6428
- 22 *Fusarium* sp. 6400
- 23 *Fusarium* sp. 6401
- 24 *Fusarium* sp. 6402
- 25 *Fusarium* sp. 6403
- 27 *Beauveria bassiana* 6404
- 28 *Beauveria bassiana* 6426
- 29 *Aspergillus* sp. 6405
- 31 *Aspergillus* sp. 6406
- 32 *Aspergillus niger* 6407
- 33 *Aspergillus* sp. 6408
- 34 *Fusarium* sp. 6411
- 36 *Fusarium* sp. 6409
- 38 *Fusarium* sp. 6410
- 39 *Fusarium* sp. 6429

Turlington, Lewis

- West Borax 1, colony B *Isaria farinosa* 1939

Tzean, S. S.

- PPH 13E *Nomuraea cylindrospora* 6926
- PPH 14E *Nomuraea viridulus* 6927

UAF

- 189 *Beauveria bassiana* 2953

UAMH

- ?4995 *Tolyposcladium cylindrosporum* 961
- 1514 *Beauveria bassiana* 2454
- 2994 *Chamaeleomyces viridis* 2456
- 4132 *Beauveria pseudobassiana* 2455
- 4563 *Tolyposcladium cylindrosporum* 961
- 4592 *Tolyposcladium cylindrosporum* 962
- 4593 *Tolyposcladium cylindrosporum* 963
- 4618 *Culicinomyces clavisporus* 964
- 4848 *Culicinomyces clavisporus* 372
- 4849 *Culicinomyces clavisporus* 582
- 4850 *Culicinomyces clavisporus* 584
- 4851 *Culicinomyces clavisporus* 706
- 4854 *Culicinomyces clavisporus* 1260
- 4854 *Culicinomyces clavisporus* 2482
- 4869 *Culicinomyces clavisporus* 583
- 5174 *Culicinomyces bisporalis* 1948
- 5175 *Culicinomyces bisporalis* 1949
- 5256 *Haptocillium balanoides* 2483
- 5301 *Nomuraea anemonoides* 2467
- 5977 *Hirsutella rhossiliensis* 2006
- 5978 *Hirsutella strigosa* 2044
- 6730 *Fusarium acuminatum* 3218
- 8723 *Tolyposcladium inflatum* 4884

Ugine, Todd A.

- NI8 *Beauveria bassiana* 8889
- TPB3 *Beauveria bassiana* 8889

Underwood, Nancy

- 2457 *Beauveria bassiana* 3892
- 3166 *Beauveria bassiana* 3891
- 3836 *Lecanicillium lecanii*(?) 3882
- 3837 *Lecanicillium lecanii*(?) 3883
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HY147 *Metarhizium anisopliae* sensu
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HY155 *Metarhizium anisopliae* sensu
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HY157 *Metarhizium anisopliae* sensu
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HY164 *Metarhizium anisopliae* sensu
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HY165 *Metarhizium anisopliae* sensu
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HY166 *Metarhizium anisopliae* sensu
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HY174 *Metarhizium anisopliae* sensu
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HY181 *Metarhizium anisopliae* sensu
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HY19 *Metarhizium anisopliae* sensu lato
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 HY217 *Metarhizium anisopliae* sensu lato 4309
 HY218 *Metarhizium anisopliae* sensu lato 4754
 HY219 *Metarhizium anisopliae* sensu lato 4753
 HY22 *Metarhizium anisopliae* sensu lato 4264
 HY220 *Metarhizium anisopliae* sensu lato 4573
 HY222 *Metarhizium anisopliae* sensu lato 4603
 HY224 *Metarhizium anisopliae* sensu lato 4578
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 HY234 *Metarhizium anisopliae* sensu lato 4757
 HY235 *Metarhizium guizhouense* 4321
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 HY249 *Metarhizium anisopliae* sensu lato 4664
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 HY253 *Metarhizium flavoviride* 4304
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 HY255 *Metarhizium anisopliae* sensu lato 4687
 HY256 *Metarhizium anisopliae* sensu lato 4663
 HY257 *Metarhizium anisopliae* sensu lato 4322
 HY258 *Metarhizium anisopliae* sensu lato 4585
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 HY265 *Metarhizium anisopliae* sensu lato 4762
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 HY268 *Metarhizium anisopliae* sensu lato 4560
 HY269 *Metarhizium anisopliae* sensu lato 4764
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 HY38 *Metarhizium anisopliae* sensu lato 4308
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 HY4 *Phialophora* sp. 4751
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 HY42 *Metarhizium anisopliae* sensu lato 4317
 HY43 *Metarhizium anisopliae* sensu lato 4319
 HY44 *Metarhizium anisopliae* sensu lato 4313
 HY45 *Metarhizium anisopliae* sensu lato 4315
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HY65 *Metarhizium anisopliae* sensu lato
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HY66 *Metarhizium anisopliae* sensu lato
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HY67 *Metarhizium anisopliae* sensu lato
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HY68 *Metarhizium anisopliae* sensu lato
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HY69 *Metarhizium anisopliae* sensu lato
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HY7 *Metarhizium anisopliae* sensu lato
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HY74 *Metarhizium anisopliae* sensu lato
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HY75 *Metarhizium anisopliae* sensu lato
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HY76 *Metarhizium anisopliae* sensu lato
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HY83 *Metarhizium anisopliae* sensu lato
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HY85 *Metarhizium anisopliae* sensu lato
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HY86 *Metarhizium anisopliae* sensu lato
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HY87 *Metarhizium anisopliae* sensu lato
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HY88 *Metarhizium anisopliae* sensu lato
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HY89 *Metarhizium anisopliae* sensu lato
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HY9 *Metarhizium anisopliae* sensu lato
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HY90 *Metarhizium anisopliae* sensu lato
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HY91 *Metarhizium anisopliae* sensu lato
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HY92 *Metarhizium anisopliae* sensu lato
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HY93 *Metarhizium anisopliae* sensu lato
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HY94 *Metarhizium anisopliae* sensu lato
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HY95 *Metarhizium anisopliae* sensu lato
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HY95 *Metarhizium anisopliae* sensu lato
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HY96 *Metarhizium anisopliae* sensu lato
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HY97 *Metarhizium anisopliae* sensu lato
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HY97 *Metarhizium anisopliae* sensu lato
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HY99 *Metarhizium anisopliae* sensu lato
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F2-28 *Isaria farinosa* 2954
F2-4 BR *Isaria fumosorosea* 3322

Zhioua, Elyes

1S DCE *Verticillium* sp. 5713
1S PCW *Verticillium lecanii* 5710
AB *Penicillium* sp. 5733
T73 *Beauveria bassiana*(?) 6892
T81 *Isaria fumosorosea* 6893
T82 *Beauveria bassiana* 6894
Tick #1 Unidentified sp. 6895
Tick #2 *Gliocladium*(?) sp. 6896
Tick #3 *Beauveria bassiana* 6897
Tick #4 *Aspergillus* sp. 6898
Tick #4 Unidentified sp. 6899

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ZAFU1004 *Pandora neoaphidis* 11662

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2 *Pandora blunckii* 217
E 1622/01 *Evlachovaea* sp. 7403

Zou, Xiao

1 *Nomuraea atypicola* 9594
10 *Hirsutella liboensis* 9603
2 *Beauveria bassiana* 9595
3 *Beauveria* sp. 9596
5 *Beauveria bassiana* 9598
6 *Beauveria brongniartii* 9599
7 *Beauveria bassiana* 9600
8 *Isaria cateniannulata* 9601
9 *Isaria fumosorosea* 9602

1	<i>Beauveria bassiana</i>	124	<i>Conidiobolus obscurus</i>	215	<i>Batkoa gigantea</i>
2	<i>Conidiobolus thromboides</i>	126	<i>Zoopththora radicans</i>	217	<i>Pandora blunckii</i>
3	<i>Isaria farinosa</i>	128	<i>Pandora neoaphidis</i>	218	<i>Coelomycidium simulii</i>
5	<i>Conidiobolus thromboides</i>	129	<i>Batkoa apiculata</i>	219	<i>Erynia rhizospora</i>
13	<i>Zoopththora radicans</i>	131	<i>Pandora dipterigena</i>	220	<i>Beauveria bassiana</i>
15	<i>Conidiobolus thromboides</i>	133	<i>Conidiobolus obscurus</i>	221	<i>Zoopththora radicans</i>
20	<i>Isaria farinosa</i>	134	<i>Pandora delphacis</i>	223	<i>Zoopththora radicans</i>
21	<i>Zoopththora radicans</i>	135	<i>Nomuraea rileyi</i>	224	<i>Zoopththora radicans</i>
22	<i>Conidiobolus thromboides</i>	137	<i>Hirsutella thompsonii</i>	225	<i>Zoopththora radicans</i>
23	<i>Metarhizium robertsii</i>	138		226	<i>Zoopththora radicans</i>
29	<i>Conidiobolus thromboides</i>	139	<i>Zoopththora radicans</i>	227	<i>Zoopththora radicans</i>
30	<i>Hirsutella gigantea</i>	141	<i>Zoopththora radicans</i>	228	<i>Zoopththora radicans</i>
32	<i>Beauveria</i> sp.	142	<i>Zoopththora radicans</i>	229	<i>Zoopththora radicans</i>
38	<i>Isaria farinosa</i>	143	<i>Zoopththora radicans</i>	230	<i>Zoopththora radicans</i>
39	<i>Conidiobolus thromboides</i>	144	<i>Zoopththora radicans</i>	231	<i>Zoopththora radicans</i>
40	<i>Conidiobolus thromboides</i>	145	<i>Zoopththora radicans</i>	232	<i>Zoopththora radicans</i>
41	<i>Conidiobolus thromboides</i>	146	<i>Zoopththora radicans</i>	233	<i>Zoopththora radicans</i>
42	<i>Conidiobolus thromboides</i>	147	<i>Conidiobolus</i> sp.	234	<i>Zoopththora radicans</i>
44	<i>Zoopththora radicans</i>	148	<i>Conidiobolus</i> sp.	235	<i>Zoopththora radicans</i>
45	<i>Zoopththora radicans</i>	149	<i>Beauveria bassiana</i>	237	<i>Zoopththora radicans</i>
50	<i>Zoopththora radicans</i>	150	<i>Beauveria bassiana</i>	238	<i>Zoopththora radicans</i>
51	<i>Entomophaga aulicae</i>	151	<i>Beauveria bassiana</i>	239	<i>Zoopththora radicans</i>
52	<i>Zoopththora radicans</i>	152	<i>Beauveria pseudobassiana</i>	241	<i>Hirsutella thompsonii</i>
55	<i>Isaria farinosa</i>	153	<i>Beauveria bassiana</i>	242	<i>Conidiobolus thromboides</i>
57	<i>Conidiobolus thromboides</i>	154	<i>Beauveria bassiana</i>	243	<i>Conidiobolus obscurus</i>
58	<i>Conidiobolus thromboides</i>	155	<i>Beauveria bassiana</i>	244	<i>Conidiobolus thromboides</i>
59	<i>Conidiobolus thromboides</i>	156	<i>Beauveria pseudobassiana</i>	245	<i>Conidiobolus thromboides</i>
63	<i>Conidiobolus thromboides</i>	157	<i>Beauveria pseudobassiana</i>	246	<i>Conidiobolus thromboides</i>
64	<i>Conidiobolus thromboides</i>	158	<i>Beauveria bassiana</i>	247	<i>Conidiobolus thromboides</i>
67	<i>Batkoa apiculata</i>	159	<i>Beauveria bassiana</i>	248	<i>Conidiobolus thromboides</i>
68	<i>Zoopththora radicans</i>	160	<i>Beauveria bassiana</i>	249	<i>Conidiobolus thromboides</i>
70	<i>Conidiobolus thromboides</i>	161	<i>Zoopththora radicans</i>	250	<i>Conidiobolus thromboides</i>
72	<i>Zoopththora radicans</i>	162	<i>Zoopththora radicans</i>	251	<i>Entomophaga aulicae</i>
73	<i>Conidiobolus thromboides</i>	163	<i>Zoopththora radicans</i>	252	<i>Beauveria bassiana</i>
74	<i>Conidiobolus obscurus</i>	164	<i>Entomophaga aulicae</i>	253	<i>Hirsutella thompsonii</i>
75	<i>Zoopththora radicans</i>	165	<i>Entomophaga aulicae</i>	254	<i>Hirsutella thompsonii</i> var. <i>vinacea</i>
78	<i>Pandora neoaphidis</i>	166	<i>Entomophaga aulicae</i>	255	<i>Hirsutella thompsonii</i>
79	<i>Conidiobolus osmodes</i>	167	<i>Entomophaga aulicae</i>	256	<i>Hirsutella thompsonii</i>
80	<i>Conidiobolus</i> sp.	168	<i>Entomophaga aulicae</i>	257	<i>Hirsutella thompsonii</i>
81	<i>Conidiobolus</i> sp.	172	<i>Entomophaga aulicae</i>	258	<i>Hirsutella thompsonii</i>
83	<i>Conidiobolus thromboides</i>	174	<i>Batkoa apiculata</i>	259	<i>Hirsutella thompsonii</i>
84	<i>Conidiobolus thromboides</i>	177	<i>Hirsutella longicolla</i> var. <i>cornuta</i>	260	<i>Basidiobolus ranarum</i>
85	<i>Conidiobolus thromboides</i>	178	<i>Hirsutella longicolla</i> var. <i>cornuta</i>	261	<i>Basidiobolus haptosporus</i>
86	<i>Conidiobolus thromboides</i>	179	<i>Saprolegnia</i> sp.	262	<i>Basidiobolus haptosporus</i>
87	<i>Conidiobolus thromboides</i>	180	<i>Saprolegnia</i> sp.	263	<i>Basidiobolus haptosporus</i>
88	<i>Zoopththora radicans</i>	181	<i>Pandora neoaphidis</i>	264	<i>Basidiobolus haptosporus</i>
92	<i>Conidiobolus</i> sp.	182	<i>Conidiobolus obscurus</i>	265	<i>Basidiobolus microsporus</i>
93	<i>Conidiobolus</i> sp.	183	<i>Zoopththora radicans</i>	267	<i>Basidiobolus microsporus</i>
94	<i>Conidiobolus</i> sp.	184	<i>Zoopththora radicans</i>	268	<i>Basidiobolus microsporus</i>
97	<i>Conidiobolus obscurus</i>	185	<i>Zoopththora radicans</i>	269	<i>Basidiobolus microsporus</i>
99	<i>Conidiobolus thromboides</i>	186	<i>Zoopththora radicans</i>	270	<i>Basidiobolus</i> sp.
100	<i>Conidiobolus thromboides</i>	187	<i>Zoopththora radicans</i>	271	<i>Basidiobolus</i> sp.
101	<i>Conidiobolus thromboides</i>	188	<i>Zoopththora radicans</i>	272	<i>Basidiobolus haptosporus</i>
102	<i>Conidiobolus thromboides</i>	189	<i>Zoopththora radicans</i>	273	<i>Basidiobolus</i> sp.
103	<i>Zoopththora radicans</i>	191	<i>Zoopththora phytonomi</i>	274	<i>Conidiobolus coronatus</i>
104	<i>Zoopththora radicans</i>	192	<i>Zoopththora phytonomi</i>	275	<i>Beauveria bassiana</i>
105	<i>Zoopththora radicans</i>	193	<i>Conidiobolus osmodes</i>	276	<i>Beauveria bassiana</i>
106	<i>Zoopththora radicans</i>	194	<i>Conidiobolus thromboides</i>	277	<i>Beauveria bassiana</i>
107	<i>Zoopththora radicans</i>	198	<i>Entomophaga aulicae</i>	278	<i>Beauveria bassiana</i>
108	<i>Zoopththora radicans</i>	199	<i>Pandora nouryi</i>	279	<i>Beauveria bassiana</i>
109	<i>Zoopththora radicans</i>	201	<i>Beauveria bassiana</i>	280	<i>Beauveria bassiana</i>
110	<i>Zoopththora radicans</i>	202	<i>Zoopththora phytonomi</i>	281	<i>Beauveria bassiana</i>
111	<i>Zoopththora radicans</i>	203	<i>Schizangiella serpentis</i>	282	<i>Beauveria bassiana</i>
112	<i>Zoopththora radicans</i>	204	<i>Lecanicillium muscarium</i>	283	<i>Beauveria bassiana</i>
113	<i>Zoopththora phytonomi</i>	205	<i>Conidiobolus coronatus</i>	284	<i>Beauveria bassiana</i>
114	<i>Zoopththora radicans</i>	206	<i>Conidiobolus coronatus</i>	285	<i>Beauveria bassiana</i>
115	<i>Conidiobolus thromboides</i>	207	<i>Zoopththora occidentalis</i>	286	<i>Beauveria bassiana</i>
120	<i>Conidiobolus thromboides</i>	208	<i>Conidiobolus thromboides</i>	287	<i>Beauveria bassiana</i>
121	<i>Conidiobolus obscurus</i>	211	<i>Conidiobolus</i> sp.	288	<i>Beauveria bassiana</i>
122	<i>Conidiobolus obscurus</i>	214	<i>Batkoa gigantea</i>	289	<i>Beauveria bassiana</i>

290	<i>Beauveria bassiana</i>	376	<i>Entomophaga macleodii</i>	459	<i>Pandora delphacis</i>
291	<i>Beauveria bassiana</i>	377	<i>Sorosporella</i> sp.	460	<i>Pandora delphacis</i>
292	<i>Beauveria pseudobassiana</i>	379	<i>Zoophthora radicans</i>	461	<i>Pandora delphacis</i>
293	<i>Beauveria bassiana</i>	380	<i>Nomuraea rileyi</i>	468	<i>Zoophthora lanceolata</i>
294	<i>Isaria farinosa</i>	381	<i>Pandora neoaphidis</i>	469	<i>Zoophthora lanceolata</i>
295	<i>Beauveria bassiana</i>	382	<i>Entomophaga macleodii</i>	470	<i>Furia virescens</i>
296	<i>Beauveria bassiana</i>	383	<i>Entomophaga calopteni</i>	471	<i>Conidiobolus coronatus</i>
297	<i>Metarhizium anisopliae</i> var. <i>majus</i>	384	<i>Beauveria bassiana</i>	472	<i>Metarhizium brunneum</i>
298	<i>Metarhizium anisopliae</i> var. <i>majus</i>	385	<i>Paecilomyces</i> sp.	473	<i>Metarhizium majus</i>
299	<i>Beauveria pseudobassiana</i>	386	<i>Myriodontium keratinophilum</i>	474	<i>Beauveria bassiana</i>
300	<i>Beauveria bassiana</i>	387	<i>Entomophthora culicis</i>	475	<i>Isaria farinosa</i>
301	<i>Beauveria bassiana</i>	388	<i>Zoophthora radicans</i>	476	<i>Isaria farinosa</i>
302	<i>Beauveria bassiana</i>	389	<i>Zoophthora radicans</i>	477	<i>Beauveria bassiana</i>
303	<i>Beauveria bassiana</i>	390	<i>Entomophaga calopteni</i>	478	<i>Pandora delphacis</i>
304	<i>Beauveria bassiana</i>	391	<i>Conidiobolus</i> sp.	481	<i>Nomuraea rileyi</i>
305	<i>Beauveria bassiana</i>	392	<i>Entomophthora muscae</i>	482	<i>Nomuraea rileyi</i>
306	<i>Beauveria bassiana</i>	393	<i>Entomophaga</i> sp.	483	<i>Nomuraea rileyi</i>
307	<i>Beauveria bassiana</i>	394	<i>Furia virescens</i>	484	<i>Paecilomyces reniformis</i>
308	<i>Beauveria bassiana</i>	395	<i>Batkoa apiculata</i>	485	<i>Metarhizium anisopliae</i> sensu lato
309	<i>Paecilomyces</i> sp.	396	<i>Zoophthora anglica</i>	486	<i>Metarhizium anisopliae</i> sensu lato
310	<i>Lecanicillium muscarium</i>	397	<i>Pandora dipterigena</i>	487	<i>Metarhizium anisopliae</i> sensu lato
311	<i>Lecanicillium muscarium</i>	399	<i>Erynia ovispora</i>	488	<i>Metarhizium anisopliae</i> sensu lato
312	<i>Lecanicillium muscarium</i>	400	<i>Erynia ovispora</i>	489	<i>Metarhizium anisopliae</i> sensu lato
313	<i>Lecanicillium muscarium</i>	403	<i>Batkoa gigantea</i>	490	<i>Hirsutella citriformis</i>
314	<i>Lecanicillium muscarium</i>	404	<i>Zoophthora radicans</i>	491	<i>Zoophthora radicans</i>
317	<i>Beauveria bassiana</i>	405	<i>Conidiobolus coronatus</i>	496	<i>Entomophaga macleodii</i>
318	<i>Beauveria bassiana</i>	406	<i>Conidiobolus coronatus</i>	497	<i>Entomophaga calopteni</i>
319	<i>Beauveria bassiana</i>	407	<i>Zoophthora radicans</i>	498	<i>Entomophaga calopteni</i>
320	<i>Beauveria bassiana</i>	408	<i>Entomophaga calopteni</i>	499	<i>Entomophaga macleodii</i>
321	<i>Lecanicillium longisporum</i>	410	<i>Purpureocillium lilacinum</i>	500	<i>Entomophaga calopteni</i>
322	<i>Isaria javanica</i>	412	<i>Beauveria bassiana</i>	501	<i>Beauveria bassiana</i>
323	<i>Nomuraea rileyi</i>	413	<i>Beauveria bassiana</i>	502	<i>Beauveria bassiana</i>
324	<i>Metarhizium acridum</i>	414	<i>Hirsutella thompsonii</i>	503	<i>Beauveria bassiana</i>
325	<i>Beauveria bassiana</i>	416	<i>Beauveria bassiana</i>	504	<i>Beauveria bassiana</i>
326	<i>Beauveria bassiana</i>	418	<i>Conidiobolus coronatus</i>	505	<i>Beauveria bassiana</i>
328	<i>Entomophaga australiensis</i>	419	<i>Conidiobolus coronatus</i>	506	<i>Beauveria bassiana</i>
331	<i>Entomophaga australiensis</i>	421	<i>Conidiobolus coronatus</i>	507	<i>Beauveria bassiana</i>
333	<i>Beauveria bassiana</i>	422	<i>Conidiobolus coronatus</i>	509	<i>Beauveria bassiana</i>
334	<i>Beauveria bassiana</i>	425	<i>Zoophthora aphidis</i>	510	<i>Beauveria bassiana</i>
335	<i>Beauveria bassiana</i>	426	<i>Zoophthora lanceolata</i>	511	<i>Conidiobolus coronatus</i>
336	<i>Beauveria bassiana</i>	427	<i>Furia virescens</i>	512	<i>Conidiobolus coronatus</i>
337	<i>Beauveria bassiana</i>	429	<i>Paecilomyces reniformis</i>	514	<i>Conidiobolus coronatus</i>
338	<i>Beauveria bassiana</i>	430	<i>Aschersonia aleyrodis</i>	517	<i>Conidiobolus</i> sp.
340	<i>Beauveria bassiana</i>	432	<i>Aschersonia aleyrodis</i>	520	<i>Conidiobolus coronatus</i>
341	<i>Aschersonia aleyrodis</i>	433	<i>Beauveria bassiana</i>	522	<i>Conidiobolus</i> sp.
342	<i>Aschersonia aleyrodis</i>	434	<i>Conidiobolus obscurus</i>	523	<i>Conidiobolus coronatus</i>
343	<i>Aschersonia goldiana</i>	435	<i>Metarhizium anisopliae</i> sensu lato	524	<i>Conidiobolus coronatus</i>
344	<i>Beauveria bassiana</i>	436	<i>Metarhizium pingshaense</i>	525	<i>Conidiobolus coronatus</i>
346	<i>Metarhizium brunneum</i>	437	<i>Metarhizium pingshaense</i>	527	<i>Tilletiopsis</i> sp.
349	<i>Conidiobolus coronatus</i>	438	<i>Metarhizium anisopliae</i> sensu lato	528	<i>Conidiobolus coronatus</i>
350	<i>Beauveria bassiana</i>	439	<i>Metarhizium pingshaense</i>	531	<i>Purpureocillium lilacinum</i>
352	<i>Zoophthora phalloides</i>	440	<i>Metarhizium anisopliae</i> sensu lato	532	<i>Hirsutella citriformis</i>
353	<i>Beauveria bassiana</i>	441	<i>Metarhizium anisopliae</i> sensu lato	533	<i>Beauveria bassiana</i>
354	<i>Conidiobolus obscurus</i>	442	<i>Metarhizium anisopliae</i> sensu lato	534	<i>Beauveria bassiana</i>
355	<i>Conidiobolus obscurus</i>	443	<i>Metarhizium pingshaense</i>	535	<i>Beauveria bassiana</i>
356	<i>Beauveria bassiana</i>	444	<i>Metarhizium pingshaense</i>	536	<i>Beauveria bassiana</i>
357	<i>Beauveria bassiana</i>	445	<i>Metarhizium anisopliae</i> sensu lato	538	<i>Metarhizium pingshaense</i>
358	<i>Nomuraea rileyi</i>	446	<i>Metarhizium pingshaense</i>	539	<i>Nomuraea rileyi</i>
359	<i>Zoophthora radicans</i>	447	<i>Conidiobolus osmodes</i>	543	<i>Metarhizium anisopliae</i> sensu lato
362	<i>Pandora nouryi</i>	448	<i>Conidiobolus rhyosporus</i>	547	<i>Beauveria</i> sp.
363	<i>Conidiobolus thromboides</i>	449	<i>Conidiobolus bangalorensis</i>	549	<i>Metarhizium anisopliae</i> sensu lato
365	<i>Entomophaga australiensis</i>	450	<i>Conidiobolus paulus</i>	550	<i>Metarhizium anisopliae</i> sensu lato
366	<i>Pandora nouryi</i>	451	<i>Conidiobolus adiaeretus</i>	551	<i>Metarhizium anisopliae</i> sensu lato
368	<i>Myriodontium keratinophilum</i>	452	<i>Conidiobolus brefeldianus</i>	552	<i>Metarhizium pingshaense</i>
369	<i>Pandora kondoiensis</i>	453	<i>Conidiobolus pumilus</i>	555	<i>Lecanicillium lecanii</i>
370	<i>Zoophthora radicans</i>	454	<i>Entomophthora muscae</i>	556	<i>Entomophthora muscae</i>
372	<i>Culicinomyces clavisporus</i>	455	<i>Metarhizium brunneum</i>	557	<i>Entomophthora muscae</i>
373	<i>Lagenidium giganteum</i>	456	<i>Metarhizium anisopliae</i> sensu lato	558	<i>Nomuraea rileyi</i>
374	<i>Massospora cicadina</i>	457	<i>Metarhizium anisopliae</i> sensu lato	560	<i>Beauveria bassiana</i>
375	<i>Entomophaga macleodii</i>	458	<i>Pandora delphacis</i>	563	<i>Conidiobolus coronatus</i>

564	<i>Conidiobolus</i> sp.	646	<i>Entomophaga calopteni</i>	731	<i>Beauveria bassiana</i>
565	<i>Conidiobolus coronatus</i>	648	<i>Isaria farinosa</i>	732	<i>Beauveria bassiana</i>
566	<i>Beauveria bassiana</i>	649	<i>Conidiobolus thromboides</i>	733	<i>Beauveria bassiana</i>
567	<i>Conidiobolus coronatus</i>	650	<i>Macrobotrophthora vermicola</i>	734	<i>Beauveria bassiana</i>
568	<i>Hirsutella</i> sp.	651	<i>Entomophthora muscae</i>	735	<i>Beauveria bassiana</i>
569	<i>Gibellula</i> sp.	652	<i>Beauveria bassiana</i>	736	<i>Beauveria bassiana</i>
570	<i>Gibellula</i> sp.	653	<i>Trichothecium</i> sp.	737	<i>Beauveria bassiana</i>
572	<i>Tilletiopsis</i> sp.	654	<i>Beauveria bassiana</i>	738	<i>Beauveria bassiana</i>
573	<i>Tilletiopsis</i> sp.	655	<i>Conidiobolus coronatus</i>	739	<i>Beauveria bassiana</i>
575	<i>Pandora delphacis</i>	656	<i>Beauveria amorpha</i>	741	<i>Isaria amoenerosea</i>
576	<i>Metarhizium pingshaense</i>	657	<i>Pandora delphacis</i>	742	<i>Furia americana</i>
577	<i>Paecilomyces reniformis</i>	659	<i>Pandora delphacis</i>	743	<i>Entomophaga australiensis</i>
579	<i>Pandora delphacis</i>	660	<i>Pandora delphacis</i>	744	<i>Isaria amoenerosea</i>
580	<i>Pandora delphacis</i>	662	<i>Neozygites</i> sp.	748	<i>Lagenidium giganteum</i>
581	<i>Entomophaga australiensis</i>	664	<i>Pandora delphacis</i>	749	<i>Lagenidium giganteum</i>
582	<i>Culicinomyces clavisporus</i>	665	<i>Pandora delphacis</i>	750	<i>Erynia aquatica</i>
583	<i>Culicinomyces clavisporus</i>	666	<i>Pandora delphacis</i>	751	<i>Beauveria bassiana</i>
584	<i>Culicinomyces clavisporus</i>	667	<i>Pandora delphacis</i>	752	<i>Beauveria bassiana</i>
585	<i>Culicinomyces clavisporus</i>	668	<i>Pandora delphacis</i>	753	<i>Beauveria bassiana</i>
587	<i>Metarhizium anisopliae sensu stricto</i>	669	<i>Pandora delphacis</i>	754	<i>Beauveria bassiana</i>
588	<i>Metarhizium pingshaense</i>	670	<i>Pandora delphacis</i>	755	<i>Metarhizium anisopliae sensu stricto</i>
589	<i>Metarhizium anisopliae sensu lato</i>	672	<i>Pandora delphacis</i>	756	<i>Beauveria bassiana</i>
590	<i>Beauveria</i> sp.	673	<i>Pandora delphacis</i>	757	<i>Beauveria bassiana</i>
591	<i>Hirsutella citrififormis</i>	674	<i>Pandora delphacis</i>	758	<i>Beauveria bassiana</i>
593	<i>Pandora delphacis</i>	676	<i>Pandora delphacis</i>	759	<i>Metarhizium anisopliae sensu lato</i>
595	<i>Conidiobolus</i> sp.	678	<i>Beauveria brongniartii</i>	760	<i>Metarhizium anisopliae sensu lato</i>
596	<i>Conidiobolus</i> sp.	679	<i>Beauveria bassiana</i>	762	<i>Nomuraea rileyi</i>
597	<i>Conidiobolus coronatus</i>	680	<i>Paecilomyces</i> sp.	763	<i>Purpureocillium lilacinum</i>
598	<i>Conidiobolus nr. coronatus</i>	681	<i>Beauveria bassiana</i>	764	<i>Erynia aquatica</i>
599	<i>Conidiobolus nr. coronatus</i>	682	<i>Pandora delphacis</i>	765	<i>Entomophaga macleodii</i>
600	<i>Conidiobolus nr. coronatus</i>	683	<i>Metarhizium guizhouense</i>	767	<i>Entomophaga macleodii</i>
602	<i>Conidiobolus nr. coronatus</i>	684	<i>Hirsutella citrififormis</i>	768	<i>Entomophaga macleodii</i>
603	<i>Pandora delphacis</i>	685	<i>Zoopphthora radicans</i>	769	<i>Entomophaga macleodii</i>
604	<i>Conidiobolus</i> sp.	686	<i>Pandora delphacis</i>	770	<i>Entomophaga macleodii</i>
605	<i>Conidiobolus</i> sp.	687	<i>Fusarium</i> sp.	771	<i>Entomophaga macleodii</i>
606	<i>Conidiobolus</i> sp.	689	<i>Ascosphaera aggregata</i>	772	<i>Entomophaga macleodii</i>
608	<i>Pandora neoaphidis</i>	690	<i>Ascosphaera aggregata</i>	773	<i>Entomophaga macleodii</i>
609	<i>Pandora neoaphidis</i>	691	<i>Ascosphaera apis</i>	774	<i>Entomophaga macleodii</i>
610	<i>Pandora neoaphidis</i>	692	<i>Ascosphaera apis</i>	775	<i>Entomophaga macleodii</i>
611	<i>Pandora neoaphidis</i>	693	<i>Ascosphaera atra</i>	776	<i>Entomophaga macleodii</i>
612	<i>Pandora neoaphidis</i>	694	<i>Ascosphaera major</i>	777	<i>Entomophaga macleodii</i>
613	<i>Pandora neoaphidis</i>	695	<i>Ascosphaera proliperda</i>	778	<i>Entomophaga macleodii</i>
614	<i>Pandora neoaphidis</i>	696	<i>Ascosphaera proliperda</i>	779	<i>Entomophaga macleodii</i>
616	<i>Tolypocladium inflatum</i>	697	<i>Isaria farinosa</i>	781	<i>Furia pieris</i>
617	<i>Beauveria brongniartii</i>	698	<i>Pandora delphacis</i>	782	<i>Metarhizium anisopliae sensu lato</i>
618	<i>Entomophaga macleodii</i>	700	<i>Conidiobolus lachnodes</i>	783	<i>Beauveria bassiana</i>
619	<i>Entomophaga macleodii</i>	703	<i>Metarhizium guizhouense</i>	784	<i>Beauveria bassiana</i>
620	<i>Entomophaga macleodii</i>	705	<i>Tolypocladium cylindrosporium</i>	785	<i>Beauveria bassiana</i>
621	<i>Entomophaga macleodii</i>	706	<i>Culicinomyces clavisporus</i>	786	<i>Beauveria bassiana</i>
623	<i>Entomophaga calopteni</i>	707	<i>Entomophthora muscae</i>	787	<i>Beauveria bassiana</i>
624	<i>Entomophaga macleodii</i>	708	<i>Beauveria bassiana</i>	788	<i>Beauveria bassiana</i>
625	<i>Entomophaga calopteni</i>	709	<i>Beauveria bassiana</i>	789	<i>Zoopphthora radicans</i>
626	<i>Entomophaga calopteni</i>	711	<i>Nomuraea rileyi</i>	790	<i>Zoopphthora radicans</i>
628	<i>Entomophaga macleodii</i>	712	<i>Metarhizium pingshaense</i>	791	<i>Entomophaga australiensis</i>
629	<i>Entomophaga macleodii</i>	713	<i>Pandora delphacis</i>	792	<i>Beauveria bassiana</i>
630	<i>Conidiobolus thromboides</i>	714	<i>Beauveria bassiana</i>	793	<i>Beauveria bassiana</i>
631	<i>Conidiobolus thromboides</i>	716	<i>Pandora delphacis</i>	794	<i>Metarhizium anisopliae sensu lato</i>
632	<i>Conidiobolus thromboides</i>	717	<i>Beauveria bassiana</i>	795	<i>Lecanicillium muscarium</i>
633	<i>Conidiobolus thromboides</i>	718	<i>Beauveria bassiana</i>	796	<i>Beauveria bassiana</i>
634	<i>Conidiobolus thromboides</i>	719	<i>Beauveria bassiana</i>	797	<i>Metarhizium robertsii</i>
635	<i>Conidiobolus thromboides</i>	720	<i>Isaria fumosorosea</i>	798	<i>Metarhizium anisopliae sensu stricto</i>
636	<i>Pandora neoaphidis</i>	721	<i>Beauveria bassiana</i>	799	<i>Isaria farinosa</i>
637	<i>Pandora neoaphidis</i>	722	<i>Isaria fumosorosea</i>	800	<i>Zoopphthora radicans</i>
638	<i>Pandora neoaphidis</i>	723	<i>Purpureocillium lilacinum</i>	801	<i>Erynia rhizospora</i>
639	<i>Pandora neoaphidis</i>	724	<i>Metarhizium robertsii</i>	803	<i>Entomophthora muscae</i>
640	<i>Eryniopsis caroliniana</i>	725	<i>Metarhizium anisopliae sensu lato</i>	804	<i>Beauveria bassiana</i>
641	<i>Eryniopsis caroliniana</i>	727	<i>Metarhizium robertsii</i>	805	<i>Beauveria bassiana</i>
642	<i>Eryniopsis caroliniana</i>	728	<i>Metarhizium anisopliae sensu lato</i>	806	<i>Beauveria bassiana</i>
644	<i>Culicinomyces clavisporus</i>	729	<i>Metarhizium anisopliae sensu lato</i>	807	<i>Trichoderma</i> sp.
645	<i>Culicinomyces clavisporus</i>	730	<i>Beauveria bassiana</i>	808	<i>Metarhizium anisopliae sensu lato</i>

- 809 *Beauveria bassiana*
810 *Lecanicillium muscarium*
811 *Lecanicillium muscarium*
812 *Beauveria bassiana*
813 *Beauveria pseudobassiana*
814 *Beauveria pseudobassiana*
815 *Beauveria bassiana*
816 *Beauveria bassiana*
817 *Metarhizium brunneum*
818 *Metarhizium anisopliae sensu lato*
819 *Metarhizium guizhouense*
820 *Metarhizium brunneum*
821 *Fusarium coccophilum*
822 *Zoopthora radicans*
823 *Zoopthora radicans*
824 *Conidiobolus obscurus*
825 *Pandora kondoiensis*
826 *Entomophthora muscae*
827 *Pandora neoaphidis*
828 *Pandora kondoiensis*
829 *Pandora neoaphidis*
830 *Pandora neoaphidis*
832 *Conidiobolus obscurus*
833 *Pandora neoaphidis*
834 *Conidiobolus obscurus*
835 *Pandora neoaphidis*
836 *Pandora kondoiensis*
837 *Pandora kondoiensis*
838 *Pandora neoaphidis*
839 *Batkoa apiculata*
840 *Entomophaga praxibuli*
841 *Tolypocladium cylindrosporium*
842 *Beauveria bassiana*
843 *Beauveria bassiana*
844 *Metarhizium anisopliae sensu lato*
845 *Metarhizium anisopliae sensu lato*
846 *Metarhizium anisopliae sensu lato*
847 *Metarhizium anisopliae sensu lato*
848 *Metarhizium anisopliae sensu lato*
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864 *Metarhizium anisopliae sensu lato*
865 *Metarhizium anisopliae sensu lato*
866 *Metarhizium anisopliae sensu lato*
867 *Metarhizium anisopliae sensu lato*
868 *Metarhizium anisopliae sensu lato*
869 *Metarhizium anisopliae sensu lato*
870 *Metarhizium anisopliae sensu lato*
871 *Metarhizium anisopliae sensu lato*
872 *Metarhizium anisopliae sensu lato*
873 *Metarhizium anisopliae sensu lato*
874 *Metarhizium anisopliae sensu lato*
875 *Metarhizium anisopliae sensu lato*
876 *Erynia sp.*
878 *Hirsutella guyana*
879 *Hirsutella guyana*
880 *Erynia sp.*
881 *Hirsutella guyana*
882 *Hirsutella guyana*
883 *Hirsutella guyana*
884 *Erynia sp.*
886 *Beauveria bassiana*
887 *Isaria fumosorosea*
889 *Metarhizium anisopliae sensu lato*
890 *Metarhizium anisopliae sensu lato*
891 *Metarhizium anisopliae sensu lato*
892 *Metarhizium anisopliae sensu lato*
893 *Metarhizium anisopliae sensu lato*
894 *Metarhizium anisopliae sensu lato*
895 *Metarhizium anisopliae sensu lato*
896 *Metarhizium anisopliae sensu lato*
897 *Metarhizium anisopliae sensu lato*
898 *Metarhizium anisopliae sensu lato*
899 *Zoopthora radicans*
900 *Lecanicillium muscarium*
901 *Metarhizium anisopliae sensu lato*
902 *Metarhizium anisopliae sensu lato*
903 *Metarhizium anisopliae sensu lato*
904 *Metarhizium anisopliae sensu lato*
905 *Metarhizium anisopliae sensu lato*
906 *Metarhizium anisopliae sensu lato*
907 *Metarhizium anisopliae sensu lato*
908 *Metarhizium anisopliae sensu lato*
909 *Metarhizium anisopliae sensu lato*
910 *Metarhizium anisopliae sensu lato*
911 *Metarhizium anisopliae sensu lato*
912 *Metarhizium anisopliae sensu lato*
913 *Metarhizium anisopliae sensu lato*
914 *Zoopthora radicans*
915 *Pandora blunckii*
916 *Zoopthora anglica*
917 *Pandora blunckii*
919 *Batkoa apiculata*
920 *Pandora blunckii*
921 *Metarhizium anisopliae sensu lato*
922 *Metarhizium anisopliae sensu lato*
923
925 *Metarhizium anisopliae sensu lato*
926 *Zoopthora anglica*
927 *Batkoa apiculata*
928 *Beauveria bassiana*
929 *Metarhizium anisopliae sensu lato*
930 *Beauveria bassiana*
931 *Beauveria bassiana*
932 *Metarhizium anisopliae sensu lato*
933 *Beauveria bassiana*
934 *Beauveria bassiana*
935 *Nomuraea rileyi*
936 *Nomuraea rileyi*
937 *Beauveria bassiana*
938 *Beauveria bassiana*
939 *Metarhizium anisopliae sensu lato*
941 *Beauveria bassiana*
942 *Beauveria bassiana*
943 *Beauveria bassiana*
944 *Beauveria bassiana*
945 *Beauveria bassiana*
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949 *Beauveria bassiana*
950 *Beauveria bassiana*
951 *Beauveria bassiana*
952 *Beauveria bassiana*
953 *Beauveria bassiana*
954 *Metarhizium anisopliae sensu lato*
955 *Metarhizium anisopliae sensu lato*
956 *Beauveria bassiana*
957 *Beauveria bassiana*
958 *Beauveria bassiana*
959 *Evlachovaea sp.*
960 *Metarhizium anisopliae sensu lato*
961 *Tolypocladium cylindrosporium*
962 *Tolypocladium cylindrosporium*
963 *Tolypocladium cylindrosporium*
964 *Culicinomyces clavisporus*
965 *Metarhizium anisopliae sensu lato*
966 *Metarhizium anisopliae sensu lato*
967 *Metarhizium anisopliae sensu lato*
968 *Metarhizium anisopliae sensu lato*
970 *Hirsutella sp.*
971 *Paecilomyces sp.*
972 *Lecanicillium muscarium*
973 *Lecanicillium muscarium*
974 *Lecanicillium longisporum*
975 *Isaria farinosa*
976 *Tolypocladium cylindrosporium*
977 *Metarhizium guizhouense*
978 *Metarhizium majus*
979 *Beauveria brongniartii*
980 *Lecanicillium muscarium*
981 *Isaria farinosa*
982 *Beauveria bassiana*
983 *Erynia sp.*
984 *Paecilomyces canadensis*
985 *Beauveria brongniartii*
986 *Purpureocillium lilacinum*
988 *Metarhizium brunneum*
989 *Isaria fumosorosea*
990 *Paecilomyces canadensis*
991 *Verticillium lecanii*
992 *Aschersonia aleyrodis*
993 *Pandora neoaphidis*
994 *Lecanicillium muscarium*
996 *Hirsutella satumaensis*
997 *Conidiobolus coronatus*
998 *Entomophaga aulicae*
999 *Conidiobolus sp.*
1000 *Pandora blunckii*
1001 *Beauveria bassiana*
1002 *Lecanicillium muscarium*
1003 *Aspergillus flavus*
1004 *Pandora blunckii*
1005 *Isaria fumosorosea*
1006 *Conidiobolus thromboides*
1007 *Beauveria bassiana*
1008 *Paecilomyces sp.*
1009 *Metarhizium pingshaense*
1010 *Aspergillus flavus*
1011 *Metarhizium pingshaense*
1013 *Unidentified sp.*
1014 *Nomuraea rileyi*
1015 *Metarhizium majus*
1016 *Beauveria bassiana*
1017 *Evlachovaea sp.*
1018 *Zoopthora radicans*
1019 *Zoopthora radicans*
1020 *Zoopthora radicans*
1021 *Zoopthora radicans*
1022 *Metarhizium anisopliae sensu lato*
1023 *Metarhizium anisopliae sensu lato*
1024 *Metarhizium anisopliae sensu lato*
1025 *Metarhizium anisopliae sensu lato*
1026 *Lecanicillium longisporum*
1027 *Tolypocladium cylindrosporium*
1028 *Tolypocladium cylindrosporium*
1029 *Lecanicillium muscarium*

1030	<i>Aschersonia turbinata</i>	1103	<i>Beauveria bassiana</i>	1180	<i>Beauveria bassiana</i>
1032	<i>Lecanicillium muscarium</i> (?)	1104	<i>Beauveria bassiana</i>	1181	<i>Beauveria bassiana</i>
1033	<i>Lecanicillium muscarium</i>	1105	<i>Beauveria bassiana</i>	1182	<i>Beauveria bassiana</i>
1034	<i>Hirsutella versicolor</i>	1106	<i>Beauveria bassiana</i>	1183	<i>Beauveria bassiana</i>
1035	<i>Hirsutella citrififormis</i>	1107	<i>Beauveria bassiana</i>	1184	<i>Metarhizium flavoviride</i> var. <i>flavoviride</i> ■
1036	<i>Hirsutella citrififormis</i>	1108	<i>Isaria farinosa</i>	1185	<i>Beauveria bassiana</i>
1037	<i>Hirsutella versicolor</i>	1109	<i>Lecanicillium lecanii</i> (?)	1186	<i>Beauveria bassiana</i>
1038	<i>Beauveria bassiana</i>	1110	<i>Beauveria bassiana</i>	1187	<i>Metarhizium brunneum</i>
1039	<i>Beauveria bassiana</i>	1111	<i>Isaria farinosa</i>	1188	<i>Beauveria bassiana</i>
1040	<i>Beauveria</i> sp.	1112	<i>Metarhizium brunneum</i>	1189	<i>Beauveria bassiana</i>
1041	<i>Beauveria bassiana</i>	1113	<i>Beauveria bassiana</i>	1190	<i>Beauveria bassiana</i>
1042	<i>Isaria farinosa</i>	1114	<i>Beauveria bassiana</i>	1191	<i>Beauveria bassiana</i>
1043	Mixed Culture sp.	1115	<i>Beauveria bassiana</i>	1192	<i>Beauveria bassiana</i>
1044	<i>Metarhizium anisopliae</i> sensu stricto	1116	<i>Metarhizium brunneum</i>	1193	<i>Beauveria bassiana</i>
1045	<i>Metarhizium anisopliae</i> sensu stricto	1117	<i>Beauveria bassiana</i>	1194	<i>Beauveria bassiana</i>
1046	<i>Metarhizium robertsii</i>	1118	<i>Beauveria bassiana</i>	1195	<i>Beauveria</i> sp.
1047	<i>Nomuraea rileyi</i>	1119	<i>Beauveria bassiana</i>	1196	<i>Beauveria</i> sp.
1048	<i>Zoopthora radicans</i>	1120	<i>Metarhizium robertsii</i>	1197	<i>Beauveria</i> sp.
1050	<i>Zoopthora radicans</i>	1121	<i>Beauveria bassiana</i>	1198	<i>Beauveria</i> sp.
1051	Unidentified sp.	1122	<i>Beauveria bassiana</i>	1199	<i>Beauveria</i> sp.
1052	<i>Erynia</i> sp.	1123	<i>Sorospora uvella</i>	1200	<i>Beauveria</i> sp.
1053	<i>Beauveria bassiana</i>	1124	<i>Pandora delphacis</i>	1201	<i>Beauveria</i> sp.
1054	<i>Beauveria bassiana</i>	1125	<i>Zoopthora radicans</i>	1202	<i>Beauveria</i> sp.
1055	<i>Metarhizium anisopliae</i> sensu lato	1126	<i>Entomophaga</i> sp.	1203	<i>Beauveria</i> sp.
1056	<i>Metarhizium anisopliae</i> sensu lato	1129	<i>Furia virescens</i>	1204	<i>Beauveria</i> sp.
1057	<i>Metarhizium robertsii</i>	1130	<i>Zoopthora radicans</i>	1205	<i>Beauveria</i> sp.
1058	<i>Purpureocillium lilacinum</i>	1131	<i>Conidiobolus obscurus</i>	1206	<i>Beauveria</i> sp.
1059	<i>Metarhizium anisopliae</i> sensu lato	1132	<i>Pandora delphacis</i>	1207	<i>Beauveria</i> sp.
1060	<i>Beauveria bassiana</i>	1133	<i>Pandora delphacis</i>	1208	<i>Beauveria</i> sp.
1061	<i>Beauveria bassiana</i>	1134	<i>Pandora neoaphidis</i>	1209	<i>Beauveria</i> sp.
1062	<i>Hirsutella citrififormis</i>	1136	<i>Zoopthora radicans</i>	1210	<i>Beauveria</i> sp.
1063	<i>Hirsutella citrififormis</i>	1137	<i>Pandora neoaphidis</i>	1211	<i>Beauveria</i> sp.
1064	<i>Hirsutella citrififormis</i>	1139	<i>Basidiobolus ranarum</i>	1212	<i>Trichothecium roseum</i>
1065	<i>Isaria farinosa</i>	1140	<i>Entomophaga aulicae</i>	1213	<i>Beauveria</i> sp.
1066	<i>Metarhizium brunneum</i>	1143	<i>Erynia</i> sp.	1214	<i>Beauveria</i> sp.
1067	<i>Beauveria brongniartii</i>	1145	<i>Furia neopyralidarum</i>	1215	<i>Beauveria</i> sp.
1068	<i>Beauveria brongniartii</i>	1146	<i>Batkoa apiculata</i>	1216	<i>Beauveria</i> sp.
1069	<i>Beauveria brongniartii</i>	1147	<i>Conidiobolus coronatus</i>	1217	<i>Trichothecium</i> sp.
1070	<i>Beauveria brongniartii</i>	1148	<i>Fusarium solani</i>	1218	<i>Beauveria</i> sp.
1071	<i>Beauveria brongniartii</i>	1149	<i>Beauveria bassiana</i>	1219	<i>Beauveria</i> sp.
1072	<i>Beauveria brongniartii</i>	1150	<i>Beauveria bassiana</i>	1220	<i>Beauveria</i> sp.
1073	<i>Beauveria bassiana</i>	1151	<i>Beauveria bassiana</i>	1221	<i>Beauveria</i> sp.
1074	<i>Beauveria bassiana</i>	1152	<i>Aspergillus</i> sp.	1222	<i>Beauveria</i> sp.
1075	<i>Beauveria bassiana</i>	1153	<i>Beauveria bassiana</i>	1223	<i>Trichothecium</i> sp.
1076	<i>Beauveria brongniartii</i>	1154	<i>Beauveria bassiana</i>	1224	<i>Beauveria</i> sp.
1077	<i>Beauveria brongniartii</i>	1155	<i>Beauveria bassiana</i>	1225	<i>Isaria farinosa</i>
1079	<i>Beauveria bassiana</i>	1156	<i>Beauveria bassiana</i>	1226	<i>Trichothecium roseum</i>
1080	<i>Metarhizium anisopliae</i> sensu stricto	1157	<i>Beauveria bassiana</i>	1227	<i>Zoopthora radicans</i>
1081	<i>Beauveria bassiana</i>	1158	<i>Beauveria bassiana</i>	1228	<i>Zoopthora radicans</i>
1082	<i>Zoopthora radicans</i>	1159	<i>Beauveria bassiana</i>	1229	<i>Zoopthora radicans</i>
1083	<i>Metarhizium anisopliae</i> sensu lato	1160	<i>Beauveria bassiana</i>	1230	<i>Entomophaga</i> sp.
1084	<i>Metarhizium anisopliae</i> sensu lato	1161	<i>Beauveria bassiana</i>	1231	<i>Zoopthora radicans</i>
1085	<i>Metarhizium anisopliae</i> sensu lato	1162	<i>Beauveria bassiana</i>	1232	<i>Zoopthora radicans</i>
1086	<i>Metarhizium anisopliae</i> sensu lato	1163	<i>Beauveria bassiana</i>	1233	<i>Zoopthora radicans</i>
1087	<i>Metarhizium anisopliae</i> sensu lato	1164	<i>Beauveria bassiana</i>	1234	<i>Zoopthora radicans</i>
1088	<i>Metarhizium anisopliae</i> sensu lato	1165	<i>Beauveria bassiana</i>	1236	<i>Zoopthora radicans</i>
1089	<i>Metarhizium anisopliae</i> sensu lato	1166	<i>Beauveria bassiana</i>	1237	<i>Zoopthora radicans</i>
1090	<i>Metarhizium anisopliae</i> sensu lato	1167	<i>Beauveria bassiana</i>	1238	<i>Pandora delphacis</i>
1091	<i>Metarhizium anisopliae</i> sensu lato	1168	<i>Beauveria bassiana</i>	1239	<i>Zoopthora radicans</i>
1092	<i>Metarhizium guizhouense</i>	1169	<i>Beauveria bassiana</i>	1240	<i>Furia americana</i>
1093	<i>Metarhizium guizhouense</i>	1170	<i>Beauveria bassiana</i>	1241	<i>Erynia</i> sp.
1094	<i>Metarhizium anisopliae</i> sensu lato	1171	<i>Beauveria bassiana</i>	1242	<i>Furia americana</i>
1095	<i>Metarhizium brunneum</i>	1172	<i>Beauveria bassiana</i>	1243	<i>Hirsutella citrififormis</i>
1096	<i>Hirsutella</i> sp.	1173	<i>Beauveria bassiana</i>	1244	<i>Hirsutella citrififormis</i>
1097	<i>Metarhizium anisopliae</i> sensu lato	1174	<i>Beauveria bassiana</i>	1245	<i>Hirsutella citrififormis</i>
1098	<i>Beauveria bassiana</i>	1175	<i>Beauveria bassiana</i>	1246	<i>Hirsutella citrififormis</i>
1099	<i>Metarhizium flavoviride</i> var. <i>minus</i>	1176	<i>Beauveria bassiana</i>	1249	<i>Hirsutella citrififormis</i>
1100	<i>Zoopthora radicans</i>	1177	<i>Beauveria bassiana</i>	1251	<i>Hirsutella citrififormis</i>
1101	<i>Pandora delphacis</i>	1178	<i>Beauveria bassiana</i>	1252	<i>Hirsutella citrififormis</i>
1102	<i>Lecanicillium muscarium</i>	1179	<i>Beauveria bassiana</i>	1253	<i>Hirsutella citrififormis</i>

1254	<i>Hirsutella citrififormis</i>	1324	<i>Beauveria bassiana</i>	1398	<i>Beauveria bassiana</i>
1255	<i>Hirsutella citrififormis</i>	1325	<i>Beauveria bassiana</i>	1399	<i>Beauveria bassiana</i>
1256	<i>Hirsutella citrififormis</i>	1326	<i>Beauveria bassiana</i>	1400	<i>Entomophaga maimaiga</i>
1257	<i>Hirsutella citrififormis</i>	1327	<i>Beauveria</i> sp.	1401	<i>Lecanicillium muscarium</i>
1258	<i>Hirsutella citrififormis</i>	1328	<i>Lecanicillium muscarium</i>	1402	<i>Lecanicillium muscarium</i>
1259	<i>Hirsutella citrififormis</i>	1329	<i>Aphanocladium album</i>	1403	<i>Lecanicillium muscarium</i>
1260	<i>Culicinomyces clavisporus</i>	1330	<i>Lecanicillium muscarium</i>	1404	<i>Beauveria bassiana</i>
1261	<i>Zoopththora radicans</i>	1331	<i>Fusarium lateritium</i>	1405	<i>Beauveria bassiana</i>
1262	<i>Zoopththora radicans</i>	1332	<i>Lecanicillium muscarium</i>	1406	<i>Beauveria bassiana</i>
1263	<i>Zoopththora radicans</i>	1333	<i>Verticillium lecanii</i>	1407	<i>Beauveria bassiana</i>
1264	<i>Pandora delphacis</i>	1334	<i>Lecanicillium muscarium</i>	1408	<i>Beauveria bassiana</i>
1265	<i>Pandora delphacis</i>	1335	<i>Lecanicillium muscarium</i>	1409	<i>Beauveria bassiana</i>
1266	<i>Erynia</i> sp.	1336	<i>Zoopththora radicans</i>	1410	<i>Beauveria bassiana</i>
1267	<i>Erynia</i> sp.	1337	<i>Zoopththora radicans</i>	1411	<i>Beauveria bassiana</i>
1268	<i>Pandora delphacis</i>	1338	<i>Erynia</i> sp.	1412	<i>Beauveria bassiana</i>
1269	<i>Beauveria bassiana</i>	1339	<i>Furia ithacensis</i>	1413	<i>Beauveria bassiana</i>
1270	<i>Beauveria bassiana</i>	1340	<i>Furia ithacensis</i>	1414	<i>Beauveria bassiana</i>
1271	<i>Metarhizium flavoviride</i> var. minus	1341	<i>Zoopththora radicans</i>	1415	Unidentified sp.
1272	<i>Metarhizium flavoviride</i> var. minus	1342	<i>Zoopththora radicans</i>	1416	<i>Fusarium lateritium</i>
1273	<i>Metarhizium flavoviride</i> var. minus	1343	<i>Zoopththora radicans</i>	1417	Unidentified sp.
1274	<i>Metarhizium flavoviride</i> var. minus	1344	<i>Zoopththora radicans</i>	1419	Unidentified sp.
1275	<i>Metarhizium flavoviride</i> var. minus	1345	<i>Zoopththora radicans</i>	1420	Unidentified sp.
1276	<i>Metarhizium flavoviride</i> var. minus	1346	<i>Zoopththora radicans</i>	1421	Unidentified sp.
1277	<i>Metarhizium flavoviride</i> var. minus	1347	<i>Basidiobolus haptosporus</i>	1422	<i>Pandora dipterigena</i>
1278	<i>Metarhizium brunneum</i>	1348	<i>Isaria farinosa</i>	1423	Unidentified sp.
1279	<i>Metarhizium flavoviride</i> var. minus	1349	<i>Isaria farinosa</i>	1424	<i>Polycephalomyces formosus</i>
1280	<i>Metarhizium anisopliae</i> sensu lato	1350	<i>Zoopththora radicans</i>	1425	<i>Tritirachium isariae</i>
1281	<i>Metarhizium anisopliae</i> sensu lato	1351	<i>Lecanicillium lecanii</i>	1426	<i>Conidiobolus</i> sp.
1282	<i>Metarhizium anisopliae</i> sensu lato	1352	<i>Lecanicillium muscarium</i>	1427	<i>Batkoa major</i>
1283	<i>Metarhizium flavoviride</i> var. minus	1353	Sterile mycelium	1428	<i>Zoopththora radicans</i>
1284	<i>Metarhizium anisopliae</i> sensu lato	1354	<i>Isaria farinosa</i>	1431	<i>Beauveria brongiartii</i>
1285	<i>Metarhizium anisopliae</i> sensu lato	1355	<i>Isaria farinosa</i>	1432	<i>Metarhizium anisopliae</i> sensu lato
1286	<i>Metarhizium anisopliae</i> sensu lato	1356	Unidentified sp.	1435	Sterile mycelium
1287	<i>Metarhizium flavoviride</i> var. minus	1357	<i>Verticillium lecanii</i>	1436	<i>Hirsutella citrififormis</i>
1288	<i>Metarhizium flavoviride</i> var. minus	1358	<i>Isaria farinosa</i>	1439	<i>Erynia conica</i>
1289	<i>Metarhizium flavoviride</i> var. minus	1359	<i>Beauveria pseudobassiana</i>	1440	<i>Erynia rhizospora</i>
1290	<i>Metarhizium anisopliae</i> sensu lato	1360	<i>Beauveria pseudobassiana</i>	1441	<i>Erynia rhizospora</i>
1291	<i>Metarhizium flavoviride</i> var. minus	1361	<i>Trichoderma</i> sp.	1442	<i>Erynia rhizospora</i>
1292	<i>Metarhizium flavoviride</i> var. minus	1362	<i>Hirsutella</i> nr. <i>haptospora</i>	1443	<i>Erynia rhizospora</i>
1293	<i>Metarhizium flavoviride</i> var. minus	1363	<i>Hirsutella</i> nr. <i>haptospora</i>	1444	<i>Conidiobolus</i> sp.
1294	<i>Metarhizium flavoviride</i> var. minus	1364	<i>Hirsutella</i> nr. <i>haptospora</i>	1445	<i>Conidiobolus</i> sp.
1295	<i>Metarhizium flavoviride</i> var. minus	1365	<i>Pochonia bulbillosa</i> (?)	1446	<i>Hirsutella citrififormis</i>
1296	<i>Metarhizium flavoviride</i> var. minus	1366	<i>Beauveria brongiartii</i>	1448	<i>Metarhizium pingshaense</i>
1297	<i>Metarhizium flavoviride</i> var. minus	1367	<i>Simplicillium lamellicola</i>	1449	<i>Metarhizium anisopliae</i> sensu lato
1298	<i>Metarhizium robertsii</i>	1369	<i>Hirsutella radiata</i>	1450	<i>Beauveria bassiana</i>
1299	<i>Metarhizium anisopliae</i> sensu lato	1371	<i>Fusarium oxysporum</i>	1453	<i>Beauveria bassiana</i>
1300	<i>Metarhizium anisopliae</i> sensu lato	1372	<i>Acremonium furcatum</i>	1454	<i>Beauveria bassiana</i>
1301	<i>Metarhizium flavoviride</i> var. minus	1373	<i>Metarhizium anisopliae</i> sensu lato	1455	<i>Beauveria bassiana</i>
1302	<i>Metarhizium flavoviride</i> var. minus	1374	<i>Metarhizium anisopliae</i> sensu lato	1456	<i>Beauveria bassiana</i>
1303	<i>Metarhizium flavoviride</i> var. minus	1375	<i>Metarhizium anisopliae</i> sensu lato	1457	<i>Beauveria bassiana</i>
1304	<i>Metarhizium anisopliae</i> sensu lato	1376	<i>Metarhizium anisopliae</i> sensu lato	1458	<i>Beauveria bassiana</i>
1305	<i>Metarhizium flavoviride</i> var. minus	1377	<i>Metarhizium anisopliae</i> sensu lato	1459	<i>Beauveria bassiana</i>
1306	<i>Beauveria bassiana</i>	1378	<i>Metarhizium anisopliae</i> sensu lato	1460	<i>Beauveria bassiana</i>
1307	<i>Fusarium</i> sp.	1379	<i>Metarhizium anisopliae</i> sensu lato	1461	<i>Beauveria bassiana</i>
1308	<i>Trichothecium roseum</i>	1380	<i>Metarhizium anisopliae</i> sensu lato	1462	<i>Beauveria bassiana</i>
1309	<i>Beauveria bassiana</i>	1382	<i>Metarhizium anisopliae</i> sensu lato	1463	<i>Beauveria bassiana</i>
1310	<i>Fusarium</i> sp.	1383	<i>Metarhizium anisopliae</i> var. <i>majus</i>	1464	<i>Beauveria bassiana</i>
1311	<i>Beauveria bassiana</i>	1384	<i>Lagenidium giganteum</i>	1465	<i>Beauveria bassiana</i>
1312	<i>Beauveria bassiana</i>	1386	<i>Metarhizium anisopliae</i> sensu lato	1466	<i>Beauveria bassiana</i>
1313	<i>Beauveria bassiana</i>	1387	<i>Metarhizium anisopliae</i> sensu lato	1467	<i>Beauveria bassiana</i>
1314	<i>Beauveria bassiana</i>	1388	<i>Metarhizium anisopliae</i> sensu lato	1468	<i>Beauveria bassiana</i>
1315	<i>Beauveria bassiana</i>	1389	<i>Beauveria bassiana</i>	1469	<i>Beauveria bassiana</i>
1316	<i>Beauveria bassiana</i>	1390	<i>Entomophaga maimaiga</i>	1470	<i>Beauveria bassiana</i>
1317	<i>Beauveria bassiana</i>	1391	<i>Entomophaga maimaiga</i>	1471	<i>Beauveria bassiana</i>
1318	<i>Beauveria bassiana</i>	1392	<i>Entomophaga maimaiga</i>	1472	<i>Beauveria bassiana</i>
1319	<i>Beauveria bassiana</i>	1393	<i>Entomophaga asiatica</i>	1473	<i>Beauveria bassiana</i>
1320	<i>Beauveria bassiana</i>	1394	<i>Beauveria bassiana</i>	1474	<i>Beauveria bassiana</i>
1321	<i>Beauveria bassiana</i>	1395	<i>Beauveria bassiana</i>	1475	<i>Beauveria bassiana</i>
1322	<i>Beauveria bassiana</i>	1396	<i>Beauveria bassiana</i>	1476	<i>Beauveria bassiana</i>
1323	<i>Beauveria bassiana</i>	1397	<i>Beauveria bassiana</i>	1477	<i>Conidiobolus</i> sp.

1478	<i>Beauveria bassiana</i>	1550	<i>Hirsutella citriformis</i>	1627	<i>Beauveria bassiana</i>
1479	<i>Beauveria bassiana</i>	1551	<i>Hirsutella</i> sp.	1628	<i>Beauveria bassiana</i>
1480	<i>Beauveria bassiana</i>	1553	<i>Beauveria bassiana</i>	1629	<i>Beauveria bassiana</i>
1483	<i>Beauveria bassiana</i>	1554	<i>Beauveria bassiana</i>	1630	<i>Beauveria bassiana</i>
1484	<i>Beauveria bassiana</i>	1555	<i>Beauveria bassiana</i>	1634	Unidentified sp.
1485	<i>Conidiobolus</i> sp.	1556	<i>Beauveria bassiana</i>	1635	<i>Beauveria bassiana</i>
1486	<i>Conidiobolus</i> sp.	1558	<i>Beauveria bassiana</i>	1636	<i>Beauveria bassiana</i>
1487	<i>Conidiobolus</i> sp.	1559	<i>Beauveria bassiana</i>	1637	<i>Beauveria bassiana</i>
1488	<i>Conidiobolus</i> sp.	1560	<i>Beauveria bassiana</i>	1638	<i>Beauveria bassiana</i>
1489	<i>Metarhizium anisopliae</i> sensu stricto	1561	<i>Beauveria bassiana</i>	1639	<i>Trichothecium roseum</i>
1490	<i>Metarhizium anisopliae</i> sensu lato	1562	<i>Beauveria bassiana</i>	1640	<i>Beauveria bassiana</i>
1491	<i>Beauveria bassiana</i>	1563	<i>Beauveria bassiana</i>	1641	<i>Fusarium</i> sp.
1492	<i>Zoophthora radicans</i>	1564	<i>Beauveria bassiana</i>	1642	<i>Trichothecium roseum</i>
1493	<i>Zoophthora radicans</i>	1565	<i>Beauveria pseudobassiana</i>	1643	<i>Beauveria bassiana</i>
1494	<i>Zoophthora radicans</i>	1566	<i>Beauveria bassiana</i>	1644	<i>Isaria fumosorosea</i>
1495	<i>Zoophthora radicans</i>	1567	<i>Beauveria caledonica</i>	1645	<i>Isaria fumosorosea</i>
1496	<i>Zoophthora radicans</i>	1568	<i>Isaria fumosorosea</i>	1646	<i>Isaria fumosorosea</i>
1497	<i>Zoophthora radicans</i>	1569	<i>Isaria fumosorosea</i>	1647	<i>Beauveria bassiana</i>
1498	<i>Zoophthora radicans</i>	1570	<i>Pandora neoaphidis</i>	1648	<i>Beauveria bassiana</i>
1499	<i>Zoophthora radicans</i>	1572	<i>Conidiobolus coronatus</i>	1649	<i>Beauveria bassiana</i>
1500	<i>Zoophthora radicans</i>	1573	<i>Conidiobolus coronatus</i>	1650	<i>Beauveria bassiana</i>
1501	<i>Zoophthora radicans</i>	1574	<i>Conidiobolus coronatus</i>	1651	<i>Beauveria bassiana</i>
1502	<i>Zoophthora radicans</i>	1575	<i>Conidiobolus coronatus</i>	1652	<i>Beauveria bassiana</i>
1503	<i>Zoophthora radicans</i>	1576	<i>Evlachovaea</i> sp.	1653	<i>Beauveria bassiana</i>
1504	<i>Zoophthora radicans</i>	1577	<i>Isaria fumosorosea</i>	1654	<i>Beauveria bassiana</i>
1505	<i>Lecanicillium lecanii</i>	1578	<i>Isaria fumosorosea</i>	1655	<i>Entomophaga aulicae</i>
1506	<i>Isaria fumosorosea</i>	1579	<i>Isaria fumosorosea</i>	1656	<i>Entomophaga aulicae</i>
1507	<i>Isaria farinosa</i>	1580	<i>Tolypocladium cylindrosporum</i>	1657	<i>Entomophaga aulicae</i>
1508	<i>Isaria farinosa</i>	1581	<i>Zoophthora radicans</i>	1658	<i>Entomophaga maimaiga</i>
1509	<i>Beauveria bassiana</i>	1582	<i>Zoophthora radicans</i>	1659	<i>Entomophaga asiatica</i>
1510	<i>Beauveria bassiana</i>	1583	<i>Zoophthora radicans</i>	1660	<i>Batkoa apiculata</i>
1511	<i>Beauveria bassiana</i>	1584	<i>Zoophthora radicans</i>	1661	<i>Batkoa apiculata</i>
1512	<i>Beauveria bassiana</i>	1585	<i>Zoophthora radicans</i>	1662	<i>Conidiobolus pseudapiculatus</i>
1513	<i>Beauveria bassiana</i>	1586	<i>Zoophthora radicans</i>	1664	<i>Conidiobolus pseudapiculatus</i>
1514	<i>Beauveria bassiana</i>	1587	<i>Zoophthora radicans</i>	1665	<i>Conidiobolus pseudapiculatus</i>
1515	<i>Beauveria bassiana</i>	1588	<i>Zoophthora radicans</i>	1666	<i>Erynia</i> sp.
1516	<i>Beauveria bassiana</i>	1589	<i>Zoophthora radicans</i>	1668	<i>Hirsutella</i> sp.
1517	<i>Beauveria bassiana</i>	1590	<i>Zoophthora radicans</i>	1669	<i>Gibellula</i> sp.
1518	<i>Beauveria bassiana</i>	1591	<i>Zoophthora radicans</i>	1670	<i>Nomuraea rileyi</i>
1519	<i>Beauveria bassiana</i>	1593	<i>Zoophthora radicans</i>	1671	<i>Nomuraea rileyi</i>
1520	<i>Beauveria bassiana</i>	1594	<i>Zoophthora radicans</i>	1672	<i>Conidiobolus</i> sp.
1521	<i>Beauveria bassiana</i>	1595	<i>Zoophthora radicans</i>	1674	<i>Zoophthora radicans</i>
1522	<i>Fusarium</i> sp.	1596	<i>Pandora neoaphidis</i>	1675	<i>Zoophthora radicans</i>
1523	<i>Beauveria bassiana</i>	1597	<i>Pandora neoaphidis</i>	1676	<i>Beauveria amorpha</i>
1524	<i>Beauveria bassiana</i>	1598	<i>Pandora neoaphidis</i>	1677	<i>Beauveria bassiana</i>
1525	<i>Beauveria bassiana</i>	1600	<i>Pandora neoaphidis</i>	1678	<i>Beauveria bassiana</i>
1526	<i>Beauveria bassiana</i>	1601	<i>Pandora neoaphidis</i>	1679	<i>Beauveria bassiana</i>
1527	<i>Beauveria bassiana</i>	1602	<i>Pandora neoaphidis</i>	1680	<i>Beauveria amorpha</i>
1528	<i>Beauveria bassiana</i>	1603	<i>Pandora neoaphidis</i>	1681	<i>Beauveria</i> sp.
1529	<i>Beauveria bassiana</i>	1604	<i>Pandora neoaphidis</i>	1682	<i>Beauveria</i> sp.
1530	<i>Isaria fumosorosea</i>	1605	<i>Pandora neoaphidis</i>	1683	<i>Beauveria bassiana</i>
1531	<i>Beauveria bassiana</i>	1606	<i>Pandora neoaphidis</i>	1684	<i>Isaria andoi</i>
1532	<i>Isaria fumosorosea</i>	1607	<i>Pandora neoaphidis</i>	1685	<i>Beauveria sungii</i>
1533	<i>Beauveria bassiana</i>	1609	<i>Pandora neoaphidis</i>	1686	<i>Isaria flavovirescens</i>
1534	<i>Beauveria bassiana</i>	1610	<i>Pandora neoaphidis</i>	1689	<i>Beauveria bassiana</i>
1535	<i>Beauveria bassiana</i>	1611	<i>Pandora neoaphidis</i>	1690	<i>Beauveria bassiana</i>
1536	<i>Beauveria bassiana</i>	1612	<i>Pandora neoaphidis</i>	1691	<i>Beauveria bassiana</i>
1537	<i>Beauveria bassiana</i>	1613	<i>Pandora neoaphidis</i>	1692	<i>Beauveria bassiana</i>
1538	<i>Beauveria bassiana</i>	1615	<i>Pandora neoaphidis</i>	1693	Unidentified sp.
1539	<i>Beauveria bassiana</i>	1616	<i>Pandora neoaphidis</i>	1694	Unidentified sp.
1540	<i>Beauveria bassiana</i>	1617	<i>Pandora neoaphidis</i>	1695	<i>Pandora neoaphidis</i>
1541	<i>Zoophthora radicans</i>	1618	<i>Pandora neoaphidis</i>	1696	<i>Pandora neoaphidis</i>
1542	<i>Zoophthora radicans</i>	1619	<i>Beauveria bassiana</i>	1699	<i>Zoophthora radicans</i>
1543	<i>Zoophthora radicans</i>	1620	<i>Beauveria bassiana</i>	1703	Unidentified sp.
1544	<i>Zoophthora radicans</i>	1621	<i>Beauveria bassiana</i>	1704	<i>Beauveria bassiana</i>
1545	<i>Metarhizium pingshaense</i>	1622	<i>Beauveria bassiana</i>	1705	<i>Beauveria bassiana</i>
1546	<i>Metarhizium flavoviride</i> var. minus	1623	<i>Beauveria bassiana</i>	1706	<i>Beauveria bassiana</i>
1547	<i>Metarhizium flavoviride</i> var. minus	1624	<i>Beauveria bassiana</i>	1707	<i>Beauveria bassiana</i>
1548	<i>Metarhizium anisopliae</i> sensu lato	1625	<i>Hirsutella</i> sp.	1708	<i>Beauveria bassiana</i>
1549	<i>Hirsutella citriformis</i>	1626	<i>Isaria fumosorosea</i>	1709	<i>Beauveria bassiana</i>

1710	<i>Beauveria bassiana</i>	1782	<i>Beauveria bassiana</i>	1853	<i>Beauveria bassiana</i>
1711	<i>Beauveria bassiana</i>	1783	<i>Beauveria bassiana</i>	1854	<i>Beauveria bassiana</i>
1712	<i>Beauveria bassiana</i>	1784	<i>Pandora neoaphidis</i>	1855	<i>Beauveria pseudobassiana</i>
1713	<i>Beauveria bassiana</i>	1785	<i>Pandora neoaphidis</i>	1856	<i>Sorosporella uvella</i>
1714	<i>Sorosporella uvella</i>	1786	<i>Pandora neoaphidis</i>	1857	<i>Candida</i> sp.
1715	<i>Pandora blunckii</i>	1787	<i>Lecanicillium lecanii</i>	1858	<i>Metarhizium majus</i>
1716	<i>Pandora blunckii</i>	1788	<i>Beauveria bassiana</i>	1859	<i>Metarhizium majus</i>
1717	<i>Pandora blunckii</i>	1789	<i>Beauveria bassiana</i>	1860	<i>Entomophthora chromaphidis</i>
1718	<i>Pandora blunckii</i>	1790	<i>Beauveria bassiana</i>	1862	<i>Entomophthora chromaphidis</i>
1719	<i>Zoopthora radicans</i>	1791	<i>Beauveria bassiana</i>	1863	<i>Entomophthora chromaphidis</i>
1720	<i>Pandora dipterigena</i>	1792	<i>Beauveria bassiana</i>	1864	<i>Beauveria bassiana</i>
1721	<i>Beauveria bassiana</i>	1793	<i>Beauveria bassiana</i>	1865	<i>Beauveria bassiana</i>
1722	<i>Beauveria bassiana</i>	1794	<i>Beauveria bassiana</i>	1866	<i>Beauveria bassiana</i>
1723	<i>Beauveria bassiana</i>	1795	<i>Beauveria bassiana</i>	1867	<i>Isaria fumosorosea</i>
1724	<i>Metarhizium pingshaense</i>	1796	<i>Beauveria bassiana</i>	1868	<i>Isaria fumosorosea</i>
1725	<i>Metarhizium pingshaense</i>	1797	<i>Beauveria bassiana</i>	1870	<i>Erynia sciarae</i>
1726	<i>Metarhizium anisopliae sensu lato</i>	1798	<i>Beauveria bassiana</i>	1871	<i>Beauveria brongniartii</i>
1727	<i>Metarhizium anisopliae sensu lato</i>	1799	<i>Beauveria bassiana</i>	1872	<i>Beauveria brongniartii</i>
1728	<i>Metarhizium anisopliae sensu lato</i>	1800	<i>Beauveria bassiana</i>	1873	<i>Beauveria brongniartii</i>
1729	<i>Metarhizium pingshaense</i>	1801	<i>Beauveria bassiana</i>	1874	<i>Beauveria brongniartii</i>
1730	<i>Pandora delphacis</i>	1802	<i>Beauveria bassiana</i>	1875	<i>Beauveria brongniartii</i>
1731	<i>Pandora delphacis</i>	1803	<i>Beauveria bassiana</i>	1876	<i>Conidiobolus coronatus</i>
1732	<i>Gibellula pulchra</i>	1804	<i>Beauveria bassiana</i>	1877	<i>Candida</i> sp.
1733	<i>Conidiobolus thromboides</i>	1805	<i>Beauveria bassiana</i>	1878	<i>Metarhizium robertsii</i>
1734	<i>Conidiobolus thromboides</i>	1806	<i>Beauveria bassiana</i>	1879	<i>Nomuraea rileyi</i>
1735	<i>Conidiobolus thromboides</i>	1807	<i>Beauveria bassiana</i>	1880	<i>Ophiocordyceps heteropoda</i>
1736	<i>Conidiobolus coronatus</i>	1808	<i>Beauveria bassiana</i>	1881	<i>Entomophaga</i> sp.
1737	<i>Conidiobolus coronatus</i>	1809	<i>Beauveria bassiana</i>	1882	<i>Metarhizium anisopliae sensu lato</i>
1738	<i>Conidiobolus coronatus</i>	1810	<i>Beauveria bassiana</i>	1883	<i>Metarhizium anisopliae sensu stricto</i>
1739	<i>Zoopthora anglica</i>	1811	<i>Beauveria bassiana</i>	1884	<i>Conidiobolus coronatus</i>
1741	<i>Conidiobolus obscurus</i>	1812	<i>Beauveria bassiana</i>	1885	<i>Metarhizium anisopliae sensu lato</i>
1742	<i>Conidiobolus nr. coronatus</i>	1813	<i>Beauveria bassiana</i>	1886	<i>Beauveria</i> sp.
1743	<i>Conidiobolus nr. coronatus</i>	1814	<i>Beauveria bassiana</i>	1887	<i>Pandora dipterigena</i>
1744	<i>Metarhizium anisopliae sensu lato</i>	1815	<i>Beauveria bassiana</i>	1888	<i>Entomophaga australiensis</i>
1745	<i>Metarhizium anisopliae sensu lato</i>	1816	<i>Beauveria bassiana</i>	1889	<i>Beauveria bassiana</i>
1746	<i>Entomophaga maimaiga</i>	1817	<i>Beauveria bassiana</i>	1890	<i>Metarhizium anisopliae sensu lato</i>
1747	<i>Beauveria bassiana</i>	1818	<i>Beauveria bassiana</i>	1891	<i>Metarhizium anisopliae sensu lato</i>
1748	<i>Beauveria bassiana</i>	1819	<i>Beauveria bassiana</i>	1892	<i>Metarhizium anisopliae sensu lato</i>
1749	<i>Beauveria bassiana</i>	1820	<i>Beauveria bassiana</i>	1893	<i>Nomuraea rileyi</i>
1750	<i>Beauveria bassiana</i>	1821	<i>Beauveria bassiana</i>	1894	<i>Metarhizium anisopliae sensu stricto</i>
1751	<i>Entomophaga aulicae</i>	1822	<i>Beauveria bassiana</i>	1895	<i>Metarhizium anisopliae sensu lato</i>
1752	<i>Erynia conica</i>	1823	<i>Metarhizium anisopliae sensu lato</i>	1896	<i>Metarhizium anisopliae sensu lato</i>
1753	<i>Erynia conica</i>	1824	<i>Pandora neoaphidis</i>	1897	<i>Metarhizium robertsii</i>
1754	<i>Erynia citriformis</i>	1825	<i>Pandora neoaphidis</i>	1898	<i>Metarhizium anisopliae sensu lato</i>
1756	<i>Nomuraea rileyi</i>	1826	<i>Pandora neoaphidis</i>	1899	<i>Metarhizium anisopliae sensu lato</i>
1757	<i>Nomuraea rileyi</i>	1827	<i>Pandora neoaphidis</i>	1900	<i>Metarhizium anisopliae sensu stricto</i>
1758	<i>Nomuraea rileyi</i>	1828	<i>Fusarium</i> sp.	1901	<i>Metarhizium anisopliae sensu lato</i>
1759	<i>Nomuraea rileyi</i>	1829	<i>Beauveria brongniartii</i>	1902	<i>Metarhizium anisopliae sensu lato</i>
1760	<i>Nomuraea rileyi</i>	1830	<i>Beauveria brongniartii</i>	1903	<i>Metarhizium anisopliae sensu lato</i>
1761	<i>Nomuraea rileyi</i>	1831	<i>Beauveria bassiana</i>	1904	<i>Nomuraea atypicola</i>
1762	<i>Nomuraea rileyi</i>	1832	<i>Beauveria bassiana</i>	1905	<i>Lecanicillium lecanii</i>
1763	<i>Metarhizium flavoviride</i> var. minus	1833	<i>Beauveria bassiana</i>	1907	<i>Calcarisporium ovalisporum</i>
1764	<i>Metarhizium flavoviride</i> var. minus	1834	<i>Beauveria bassiana</i>	1908	<i>Sporothrix</i> sp.
1765	<i>Metarhizium flavoviride</i> var. minus	1835	<i>Beauveria</i> sp.	1909	<i>Gibellula clavulifera</i> var. alba
1766	<i>Metarhizium flavoviride</i> var. minus	1836	<i>Beauveria bassiana</i>	1910	<i>Metarhizium robertsii</i>
1767	<i>Metarhizium flavoviride</i> var. minus	1837	<i>Hirsutella citriformis</i>	1911	<i>Metarhizium anisopliae sensu lato</i>
1768	<i>Metarhizium flavoviride</i> var. minus	1838	<i>Beauveria bassiana</i>	1912	<i>Metarhizium anisopliae sensu stricto</i>
1769	<i>Metarhizium flavoviride</i> var. minus	1839	<i>Beauveria bassiana</i>	1913	<i>Hirsutella citriformis</i>
1770	<i>Metarhizium flavoviride</i> var. minus	1840	<i>Metarhizium album</i>	1914	<i>Metarhizium majus</i>
1771	<i>Metarhizium flavoviride</i> var. minus	1841	<i>Zoopthora radicans</i>	1915	<i>Torrubiella ratticaudata</i>
1772	<i>Metarhizium flavoviride</i> var. minus	1842	<i>Beauveria bassiana</i>	1916	<i>Torrubiella ratticaudata</i>
1773	<i>Metarhizium flavoviride</i> var. minus	1843	<i>Beauveria bassiana</i>	1917	<i>Hirsutella citriformis</i>
1774	<i>Lecanicillium muscarium</i>	1844	<i>Beauveria bassiana</i>	1918	<i>Hirsutella citriformis</i>
1775	<i>Beauveria bassiana</i>	1845	<i>Beauveria bassiana</i>	1919	<i>Hirsutella citriformis</i>
1776	<i>Beauveria bassiana</i>	1846	<i>Beauveria bassiana</i>	1920	<i>Entomophaga australiensis</i>
1777	<i>Beauveria bassiana</i>	1848	<i>Beauveria bassiana</i>	1921	<i>Pandora dipterigena</i>
1778	<i>Beauveria bassiana</i>	1849	<i>Beauveria bassiana</i>	1922	Unidentified sp.
1779	<i>Beauveria bassiana</i>	1850	<i>Beauveria bassiana</i>	1923	<i>Pandora dipterigena</i>
1780	<i>Beauveria bassiana</i>	1851	<i>Isaria farinosa</i>	1924	<i>Candida</i> sp.
1781	<i>Beauveria bassiana</i>	1852	<i>Beauveria bassiana</i>	1925	<i>Candida</i> sp.

1926	<i>Candida</i> sp.	2003	<i>Lagenidium</i> caudatum	2078	<i>Purpureocillium</i> lilacinum
1928	<i>Zoophthora</i> radicans	2004	<i>Leptolegnia</i> sp.	2079	<i>Beauveria</i> bassiana
1929	<i>Zoophthora</i> radicans	2005	<i>Aphanomyces</i> sp.	2080	<i>Metarhizium</i> anisopliae sensu stricto
1930	<i>Zoophthora</i> radicans	2006	<i>Hirsutella</i> rhossiliensis	2081	<i>Metarhizium</i> album
1931	<i>Zoophthora</i> radicans	2007	<i>Hirsutella</i> rhossiliensis	2082	<i>Metarhizium</i> album
1932	<i>Zoophthora</i> radicans	2008	<i>Hirsutella</i> rhossiliensis	2085	<i>Pandora</i> neoaphidis
1933	<i>Zoophthora</i> radicans	2009	<i>Lecanicillium</i> sp.	2086	<i>Pandora</i> neoaphidis
1934	<i>Zoophthora</i> radicans	2010	<i>Beauveria</i> bassiana	2087	<i>Entomophthora</i> muscae
1935	<i>Zoophthora</i> radicans	2011	<i>Beauveria</i> bassiana	2088	<i>Entomophthora</i> muscae
1936	<i>Pandora</i> delphacis	2012	<i>Hirsutella</i> thompsonii	2089	<i>Entomophthora</i> muscae
1937	<i>Zoophthora</i> radicans	2013	<i>Nomuraea</i> rileyi	2091	<i>Pandora</i> delphacis
1938	<i>Zoophthora</i> radicans	2014	<i>Entomophthora</i> muscae	2092	<i>Pandora</i> delphacis
1939	<i>Isaria</i> farinosa	2015	<i>Catenaria</i> anguillulae	2093	<i>Pandora</i> delphacis
1940	<i>Crypticola</i> clavulifera	2016	<i>Pandora</i> neoaphidis	2094	<i>Pandora</i> delphacis
1941	<i>Metarhizium</i> album	2017	<i>Pandora</i> neoaphidis	2095	<i>Pandora</i> delphacis
1942	<i>Metarhizium</i> album	2018	<i>Pandora</i> neoaphidis	2096	<i>Pandora</i> delphacis
1943	<i>Metarhizium</i> album	2019	<i>Pandora</i> neoaphidis	2097	<i>Erynia</i> sp.
1945	<i>Metarhizium</i> flavoviride var. minus	2020	<i>Pandora</i> neoaphidis	2098	<i>Fusarium</i> coccophilum
1946	<i>Metarhizium</i> majus	2022	Unidentified / <i>Zygomycetes</i>	2099	<i>Hirsutella</i> citriformis
1947	<i>Hirsutella</i> thompsonii	2023	<i>Metarhizium</i> flavoviride var. minus	2100	<i>Hirsutella</i> citriformis
1948	<i>Culicinomyces</i> bisporalis	2024	<i>Metarhizium</i> flavoviride	2101	<i>Hirsutella</i> citriformis
1949	<i>Culicinomyces</i> bisporalis	2025	<i>Metarhizium</i> flavoviride var. flavoviride	2102	<i>Hirsutella</i> citriformis
1950	<i>Nomuraea</i> rileyi	2026	<i>Metarhizium</i> flavoviride	2103	<i>Hirsutella</i> citriformis
1951	<i>Purpureocillium</i> lilacinum	2027	<i>Erynia</i> sp.	2105	<i>Metarhizium</i> anisopliae sensu lato
1952	<i>Metarhizium</i> robertsii	2028	<i>Pandora</i> delphacis	2106	<i>Metarhizium</i> pingshaense
1953	<i>Beauveria</i> bassiana	2030	<i>Beauveria</i> bassiana	2107	<i>Metarhizium</i> brunneum
1954	<i>Beauveria</i> bassiana	2031	<i>Beauveria</i> bassiana	2108	<i>Pandora</i> neoaphidis
1955	<i>Beauveria</i> bassiana	2032	<i>Beauveria</i> bassiana	2109	<i>Pandora</i> neoaphidis
1956	<i>Beauveria</i> bassiana	2033	<i>Beauveria</i> bassiana	2110	<i>Pandora</i> neoaphidis
1957	<i>Isaria</i> farinosa	2034	<i>Beauveria</i> bassiana	2112	<i>Pandora</i> neoaphidis
1958	<i>Metarhizium</i> anisopliae sensu lato	2035	<i>Calcarisporium</i> ovalisporum	2114	<i>Pandora</i> neoaphidis
1959	<i>Beauveria</i> bassiana	2036	<i>Calcarisporium</i> ovalisporum	2115	<i>Pandora</i> neoaphidis
1960	<i>Beauveria</i> bassiana	2037	<i>Metarhizium</i> flavoviride var. minus	2116	<i>Pandora</i> neoaphidis
1961	<i>Beauveria</i> bassiana	2038	<i>Metarhizium</i> anisopliae sensu lato	2117	<i>Pandora</i> neoaphidis
1962	<i>Beauveria</i> bassiana	2039	<i>Metarhizium</i> anisopliae sensu lato	2118	<i>Pandora</i> neoaphidis
1964	<i>Acremonium</i> roseum	2040	<i>Beauveria</i> bassiana	2119	<i>Pandora</i> neoaphidis
1966	<i>Beauveria</i> bassiana	2041	<i>Beauveria</i> bassiana	2120	<i>Pandora</i> neoaphidis
1967	<i>Conidiobolus</i> sp.	2042	<i>Metarhizium</i> brunneum	2121	<i>Pandora</i> neoaphidis
1968	<i>Metarhizium</i> robertsii	2043	<i>Metarhizium</i> pingshaense	2122	<i>Pandora</i> neoaphidis
1969	<i>Beauveria</i> amorpha	2044	<i>Hirsutella</i> strigosa	2123	<i>Pandora</i> neoaphidis
1970	<i>Metarhizium</i> anisopliae sensu lato	2045	<i>Torribiella</i> homopterorum	2124	<i>Pandora</i> neoaphidis
1971	<i>Beauveria</i> bassiana	2046	<i>Pandora</i> delphacis	2128	<i>Pandora</i> neoaphidis
1972	<i>Nomuraea</i> rileyi	2047	<i>Pandora</i> delphacis	2130	<i>Conidiobolus</i> sp.
1973	<i>Beauveria</i> bassiana	2048	<i>Basidiobolus</i> sp.	2131	<i>Isaria</i> farinosa
1974	<i>Beauveria</i> bassiana	2049	<i>Basidiobolus</i> sp.	2132	
1975	<i>Beauveria</i> bassiana	2050	<i>Basidiobolus</i> sp.	2133	<i>Metarhizium</i> flavoviride
1976	<i>Beauveria</i> bassiana	2051	<i>Basidiobolus</i> sp.	2134	<i>Metarhizium</i> robertsii
1977	<i>Beauveria</i> bassiana	2052	<i>Basidiobolus</i> sp.	2135	<i>Metarhizium</i> anisopliae sensu lato
1978	<i>Beauveria</i> bassiana	2053	<i>Fusarium</i> semitectum	2136	<i>Metarhizium</i> anisopliae sensu lato
1979	<i>Beauveria</i> bassiana	2054	<i>Beauveria</i> bassiana	2137	<i>Metarhizium</i> anisopliae sensu lato
1980	<i>Beauveria</i> bassiana	2055	<i>Trichothecium</i> roseum	2138	<i>Metarhizium</i> anisopliae sensu lato
1981	<i>Pandora</i> neoaphidis	2056	<i>Penicillium</i> thomii	2139	<i>Metarhizium</i> anisopliae sensu lato
1982	<i>Beauveria</i> bassiana	2057	<i>Isaria</i> farinosa	2140	<i>Metarhizium</i> guizhouense
1984	<i>Beauveria</i> bassiana	2059	<i>Fusarium</i> merismoides	2141	<i>Fusarium</i> subglutinans
1985	<i>Pandora</i> neoaphidis	2060	<i>Fusarium</i> avenaceum	2142	<i>Fusarium</i> subglutinans
1986	<i>Pandora</i> neoaphidis	2061	<i>Mortierella</i> hyalina	2143	<i>Fusarium</i> subglutinans
1987	<i>Pandora</i> neoaphidis	2063	<i>Mortierella</i> histoplasmatoides	2144	<i>Fusarium</i> subglutinans
1988	<i>Beauveria</i> bassiana	2064	<i>Pochonia</i> suchlasporia var. catenata	2145	<i>Fusarium</i> subglutinans
1989	<i>Metarhizium</i> anisopliae sensu lato	2065	<i>Lecanicillium</i> muscarium	2146	
1990	<i>Entomophaga</i> aulicae	2066	<i>Lecanicillium</i> muscarium	2147	<i>Conidiobolus</i> sp.
1991	<i>Entomophaga</i> aulicae	2067	<i>Acremonium</i> berkeleyanum	2148	<i>Conidiobolus</i> sp.
1992	<i>Entomophaga</i> aulicae	2069	<i>Humicola</i> sp.	2149	<i>Lecanicillium</i> lecanii
1993	<i>Entomophaga</i> aulicae	2070	<i>Acrodontium</i> crateriforme	2150	<i>Lecanicillium</i> lecanii
1994	<i>Entomophaga</i> aulicae	2071	<i>Phoma</i> cava	2151	<i>Metarhizium</i> anisopliae var. majus
1995	<i>Entomophaga</i> aulicae	2072	<i>Phialophora</i> malorum	2152	<i>Isaria</i> guaensis
1997	<i>Entomophaga</i> aulicae	2073	Sterile mycelium	2153	<i>Metarhizium</i> anisopliae sensu stricto
1998	<i>Entomophaga</i> aulicae	2074	<i>Fusarium</i> moniliforme	2154	<i>Aschersonia</i> aleyrodis
1999	<i>Entomophaga</i> aulicae	2075	<i>Beauveria</i> bassiana	2155	<i>Purpureocillium</i> lilacinum
2000	<i>Entomophaga</i> aulicae	2076	<i>Metarhizium</i> anisopliae sensu lato	2156	<i>Metarhizium</i> anisopliae sensu lato
2002	<i>Hymenostilbe</i> verrucosa	2077	<i>Metarhizium</i> anisopliae sensu lato	2157	<i>Aspergillus</i> flavus

2158	<i>Aspergillus flavus</i>	2237	<i>Schizangiella</i> sp.	2323	<i>Lecanicillium muscarium</i>
2159	<i>Aspergillus flavus</i>	2239	<i>Schizangiella</i> sp.	2324	<i>Lecanicillium aphanocladii</i>
2160	<i>Trichoderma</i> sp.	2241	<i>Zoopththora radicans</i>	2325	<i>Lecanicillium muscarium</i>
2161	<i>Trichoderma</i> sp.	2242	<i>Zoopththora radicans</i>	2326	<i>Lecanicillium muscarium</i>
2162	<i>Metarhizium pingshaense</i>	2243	<i>Zoopththora radicans</i>	2327	<i>Scopulariopsis</i> sp.
2163	<i>Metarhizium anisopliae</i> sensu lato	2244	<i>Zoopththora radicans</i>	2328	<i>Scopulariopsis</i> sp.
2164	<i>Beauveria</i> sp.	2245	<i>Zoopththora radicans</i>	2329	<i>Lecanicillium muscarium</i>
2165	<i>Metarhizium anisopliae</i> sensu lato	2246	<i>Zoopththora radicans</i>	2330	<i>Beauveria bassiana</i>
2166	<i>Metarhizium anisopliae</i> sensu lato	2247	<i>Isaria fumosorosea</i>	2332	<i>Lecanicillium psalliotae</i>
2167	<i>Metarhizium anisopliae</i> sensu lato	2248	<i>Beauveria bassiana</i>	2333	<i>Fusarium</i> sp.
2169	<i>Scopulariopsis</i> sp.	2249	<i>Beauveria bassiana</i>	2334	<i>Lecanicillium muscarium</i>
2170	<i>Lasiodiplodia theobromae</i>	2250	<i>Beauveria bassiana</i>	2336	<i>Beauveria bassiana</i>
2172	<i>Entomophthora muscae</i>	2251	<i>Beauveria caledonica</i>	2337	<i>Fusarium</i> sp.
2173	<i>Aspergillus parasiticus</i>	2252	<i>Fusarium</i> sp.	2338	<i>Conidiobolus lamprauges</i>
2174	<i>Nomuraea rileyi</i>	2253	<i>Beauveria bassiana</i>	2339	<i>Metarhizium flavoviride</i> var. minus
2175	<i>Isaria fumosorosea</i>	2254	<i>Beauveria bassiana</i>	2341	<i>Metarhizium anisopliae</i> sensu lato
2176	<i>Metarhizium album</i>	2255	<i>Scopulariopsis</i> sp.	2342	<i>Metarhizium anisopliae</i> sensu lato
2177	Unidentified / <i>Hyphomycetes</i>	2256	<i>Zoopththora radicans</i>	2343	<i>Metarhizium anisopliae</i> sensu lato
2178	<i>Metarhizium album</i>	2257	<i>Zoopththora radicans</i>	2344	<i>Isaria farinosa</i>
2179	<i>Metarhizium album</i>	2258	<i>Zoopththora radicans</i>	2345	<i>Nomuraea rileyi</i>
2181	<i>Purpureocillium lilacinum</i>	2259	<i>Zoopththora radicans</i>	2346	<i>Hirsutella citrififormis</i>
2182	<i>Purpureocillium lilacinum</i>	2260	<i>Zoopththora radicans</i>	2347	<i>Hirsutella citrififormis</i>
2183	<i>Purpureocillium lilacinum</i>	2261	<i>Zoopththora radicans</i>	2348	<i>Hirsutella repens</i>
2184	<i>Purpureocillium lilacinum</i>	2262	<i>Zoopththora radicans</i>	2350	<i>Paecilomyces</i> sp.
2185	<i>Purpureocillium lilacinum</i>	2263	<i>Entomophthora muscae</i>	2351	<i>Aschersonia</i> sp.
2186	<i>Purpureocillium lilacinum</i>	2264	<i>Entomophthora muscae</i>	2352	<i>Hirsutella guyana</i>
2187	<i>Hirsutella bogoriensis</i>	2265	<i>Entomophthora muscae</i>	2353	<i>Metarhizium</i> sp.
2188	<i>Zoopththora phytonomi</i>	2266	<i>Entomophthora muscae</i>	2354	<i>Paecilomyces</i> sp.
2191	<i>Beauveria bassiana</i>	2267	<i>Beauveria bassiana</i>	2355	<i>Isaria farinosa</i>
2192	<i>Furia americana</i>	2268	<i>Aschersonia aleyrodis</i>	2356	<i>Aschersonia insperata</i>
2193	<i>Conidiobolus</i> sp.	2269	<i>Isaria farinosa</i>	2357	<i>Aschersonia</i> sp.
2194	<i>Furia americana</i>	2270	<i>Beauveria bassiana</i>	2358	<i>Aschersonia</i> sp.
2196	<i>Zoopththora radicans</i>	2271	<i>Beauveria brongniartii</i>	2359	<i>Hirsutella repens</i>
2197	<i>Hirsutella strigosa</i>	2273	<i>Entomophaga conglomerata</i>	2360	<i>Beauveria bassiana</i>
2198	<i>Isaria fumosorosea</i>	2274	<i>Erynia conica</i>	2362	<i>Entomophaga aulicae</i>
2201	<i>Nomuraea rileyi</i>	2275	<i>Erynia conica</i>	2363	<i>Entomophaga aulicae</i>
2202	<i>Nomuraea rileyi</i>	2276	<i>Erynia rhizospora</i>	2365	<i>Entomophaga aulicae</i>
2203	<i>Nomuraea rileyi</i>	2279	<i>Erynia</i> sp.	2366	<i>Entomophaga aulicae</i>
2204	<i>Nomuraea rileyi</i>	2280	<i>Pandora neoaphidis</i>	2367	<i>Entomophaga aulicae</i>
2205	<i>Nomuraea rileyi</i>	2281	<i>Zoopththora phalloides</i>	2368	<i>Entomophaga aulicae</i>
2206	<i>Nomuraea rileyi</i>	2282	<i>Zoopththora radicans</i>	2369	<i>Entomophaga aulicae</i>
2207	<i>Nomuraea rileyi</i>	2283	<i>Zoopththora radicans</i>	2370	<i>Entomophaga maimaiga</i>
2208	<i>Hirsutella</i> sp.	2284	<i>Zoopththora radicans</i>	2371	<i>Entomophaga maimaiga</i>
2209	<i>Hirsutella</i> sp.	2285	<i>Zoopththora radicans</i>	2372	<i>Entomophaga aulicae</i>
2210	<i>Metarhizium brunneum</i>	2286	<i>Zoopththora radicans</i>	2373	<i>Entomophaga aulicae</i>
2211	<i>Metarhizium anisopliae</i> sensu lato	2287	<i>Zoopththora radicans</i>	2374	<i>Entomophaga aulicae</i>
2212	<i>Metarhizium anisopliae</i> sensu lato	2288	<i>Zoopththora radicans</i>	2376	<i>Isaria farinosa</i>
2213	<i>Metarhizium anisopliae</i> sensu lato	2289	<i>Zoopththora radicans</i>	2378	<i>Paecilomyces</i> sp.
2214	<i>Metarhizium anisopliae</i> sensu lato	2292	<i>Erynia</i> sp.	2387	<i>Hirsutella guyana</i>
2215	<i>Purpureocillium lilacinum</i>	2293	<i>Pandora neoaphidis</i>	2394	<i>Hirsutella repens</i>
2216	<i>Isaria fumosorosea</i>	2294	<i>Erynia</i> sp.	2395	<i>Nomuraea rileyi</i>
2217	<i>Isaria fumosorosea</i>	2297	<i>Evlachovaea</i> sp.	2396	<i>Aschersonia insperata</i>
2218	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i>	2298	<i>Pandora neoaphidis</i>	2397	<i>Aschersonia</i> sp.
2219	<i>Isaria fumosorosea</i>	2299	<i>Fusarium semitectum</i>	2398	<i>Aschersonia</i> sp.
2220	<i>Isaria amoenerosea</i>	2300	<i>Fusarium semitectum</i>	2399	<i>Verticillium cinnamomeum</i>
2221	<i>Isaria fumosorosea</i>	2301	<i>Fusarium subglutinans</i>	2400	<i>Zoopththora radicans</i>
2223	<i>Metarhizium anisopliae</i> sensu stricto	2303	<i>Fusarium</i> sp.	2401	<i>Beauveria bassiana</i>
2224	<i>Metarhizium brunneum</i>	2304	<i>Fusarium lateritium</i>	2402	<i>Beauveria bassiana</i>
2225	Unidentified / <i>Hyphomycetes</i>	2311	<i>Fusarium oxysporum</i>	2403	<i>Beauveria bassiana</i>
2226	<i>Hirsutella haptospora</i>	2312	<i>Fusarium solani</i>	2404	<i>Beauveria bassiana</i>
2227	<i>Hirsutella subulata</i>	2313	<i>Fusarium solani</i>	2405	<i>Erynia conica</i>
2228	<i>Hirsutella</i> nr. <i>haptospora</i>	2314	<i>Fusarium solani</i>	2406	<i>Pandora dipterigena</i>
2230	<i>Metarhizium anisopliae</i> sensu lato	2315	<i>Syncephalastrum racemosum</i>	2407	<i>Erynia rhizospora</i>
2231	<i>Metarhizium pingshaense</i>	2316	<i>Fusarium nygamai</i>	2409	<i>Pandora delphacis</i>
2232	<i>Fusarium</i> sp.	2317	<i>Entomophthora muscae</i>	2410	<i>Zoopththora radicans</i>
2233	<i>Purpureocillium lilacinum</i>	2318	<i>Beauveria bassiana</i>	2411	<i>Zoopththora radicans</i>
2234	<i>Lecanicillium psalliotae</i>	2319	<i>Beauveria bassiana</i>	2412	<i>Beauveria</i> sp.
2235	<i>Lecanicillium psalliotae</i>	2320	<i>Beauveria bassiana</i>	2413	<i>Nomuraea</i> sp.
2236	<i>Beauveria bassiana</i>	2321	<i>Beauveria bassiana</i>	2414	<i>Fusarium</i> sp.
		2322	<i>Beauveria bassiana</i>	2415	<i>Tilachlidium</i> sp.

2416	<i>Cordyceps militaris</i>	2512	<i>Beauveria bassiana</i>	2591	<i>Pandora neoaphidis</i>
2417	<i>Beauveria bassiana</i>	2513	<i>Metarhizium anisopliae sensu lato</i>	2592	<i>Pandora neoaphidis</i>
2418	<i>Fusarium sp.</i>	2514	<i>Metarhizium robertsii</i>	2593	<i>Pandora neoaphidis</i>
2420	<i>Hirsutella citrififormis</i>	2515	<i>Beauveria bassiana</i>	2594	<i>Pandora neoaphidis</i>
2421	<i>Metarhizium anisopliae sensu stricto</i>	2516	<i>Beauveria bassiana</i>	2595	<i>Fusarium sp.</i>
2422	<i>Hirsutella citrififormis</i>	2517	<i>Metarhizium anisopliae sensu stricto</i>	2596	<i>Metarhizium globosum</i>
2423	<i>Hirsutella citrififormis</i>	2518	<i>Metarhizium anisopliae sensu stricto</i>	2597	<i>Beauveria bassiana</i>
2424	<i>Metarhizium anisopliae sensu lato</i>	2519	<i>Beauveria bassiana</i>	2598	<i>Hirsutella citrififormis</i>
2425	<i>Isaria fumosorosea</i>	2520	<i>Beauveria bassiana</i>	2599	<i>Hirsutella verticillioidea</i>
2426	<i>Hirsutella citrififormis</i>	2521	<i>Metarhizium anisopliae sensu lato</i>	2600	<i>Zoopthora radicans</i>
2427	<i>Beauveria bassiana</i>	2522	<i>Entomophaga calopteni</i>	2601	<i>Zoopthora radicans</i>
2428	<i>Hirsutella citrififormis</i>	2523	<i>Zoopthora radicans</i>	2613	<i>Evlachovaea sp.</i>
2430	<i>Beauveria bassiana</i>	2525	<i>Erynia sp.</i>	2614	<i>Evlachovaea sp.</i>
2452	<i>Coemansia sp.</i>	2526	<i>Culicinomyces clavisporus</i>	2615	<i>Evlachovaea sp.</i>
2454	<i>Beauveria bassiana</i>	2527	<i>Culicinomyces clavisporus</i>	2616	<i>Paecilomyces sp.</i>
2455	<i>Beauveria pseudobassiana</i>	2528	Unidentified sp.	2617	<i>Paecilomyces sp.</i>
2456	<i>Chamaeleomyces viridis</i>	2529	<i>Lagenidium giganteum</i>	2618	<i>Paecilomyces sp.</i>
2457	<i>Beauveria bassiana</i>	2530	<i>Lagenidium giganteum</i>	2619	<i>Beauveria bassiana</i>
2458	<i>Beauveria bassiana</i>	2531	<i>Lagenidium giganteum</i>	2620	<i>Evlachovaea sp.</i>
2459	<i>Hirsutella thompsonii</i>	2532	<i>Lagenidium giganteum</i>	2621	<i>Beauveria bassiana</i>
2460	<i>Lecanicillium longisporum</i>	2535	<i>Eryniopsis ptychopterae</i>	2622	<i>Culicinomyces clavisporus</i>
2461	<i>Beauveria bassiana</i>	2536	<i>Erynia sp.</i>	2624	<i>Beauveria bassiana</i>
2462	<i>Beauveria bassiana</i>	2537	<i>Erynia sp.</i>	2625	<i>Beauveria bassiana</i>
2463	<i>Beauveria bassiana</i>	2538	<i>Erynia sp.</i>	2626	<i>Beauveria bassiana</i>
2464	<i>Hirsutella thompsonii</i>	2539	<i>Erynia sp.</i>	2627	<i>Metarhizium anisopliae sensu stricto</i>
2465	<i>Nomuraea rileyi</i>	2540	<i>Entomophthora schizophorae</i>	2628	<i>Metarhizium anisopliae sensu lato</i>
2466	<i>Nomuraea rileyi</i>	2541	<i>Entomophthora schizophorae</i>	2629	<i>Beauveria bassiana</i>
2466	<i>Nomuraea anemonoides</i>	2542	<i>Entomophthora muscae</i>	2630	<i>Beauveria bassiana</i>
2468	<i>Drechmeria coniospora</i>	2544	<i>Beauveria bassiana</i>	2631	<i>Beauveria bassiana</i>
2469	<i>Metarhizium robertsii</i>	2545	<i>Evlachovaea sp.</i>	2632	<i>Beauveria bassiana</i>
2471	<i>Culicinomyces clavisporus</i>	2546	<i>Isaria farinosa</i>	2633	<i>Beauveria bassiana</i>
2472	<i>Culicinomyces clavisporus</i>	2547	<i>Metarhizium robertsii</i>	2634	<i>Metarhizium anisopliae sensu lato</i>
2473	<i>Culicinomyces clavisporus</i>	2548	<i>Metarhizium anisopliae sensu lato</i>	2635	<i>Metarhizium anisopliae sensu lato</i>
2474	<i>Culicinomyces clavisporus</i>	2549	<i>Zoopthora radicans</i>	2636	<i>Beauveria bassiana</i>
2475	<i>Culicinomyces clavisporus</i>	2550	<i>Zoopthora radicans</i>	2637	<i>Beauveria bassiana</i>
2476	<i>Culicinomyces clavisporus</i>	2551	<i>Zoopthora radicans</i>	2638	<i>Beauveria bassiana</i>
2477	<i>Culicinomyces clavisporus</i>	2552	<i>Zoopthora radicans</i>	2639	<i>Beauveria bassiana</i>
2478	<i>Culicinomyces clavisporus</i>	2553	<i>Erynia sp.</i>	2640	Unidentified sp.
2479	<i>Culicinomyces clavisporus</i>	2554	<i>Zoopthora radicans</i>	2641	<i>Beauveria amorpha</i>
2480	<i>Culicinomyces clavisporus</i>	2555	<i>Beauveria bassiana</i>	2642	<i>Beauveria bassiana</i>
2481	<i>Culicinomyces clavisporus</i>	2556	<i>Isaria farinosa</i>	2643	<i>Penicillium sp.</i>
2482	<i>Culicinomyces clavisporus</i>	2557	<i>Beauveria pseudobassiana</i>	2644	<i>Hirsutella sp.</i>
2483	<i>Haptocillium balanoides</i>	2558	<i>Zoopthora radicans</i>	2645	<i>Hirsutella sp.</i>
2484	<i>Beauveria bassiana</i>	2559	<i>Beauveria bassiana</i>	2646	<i>Hirsutella sp.</i>
2485	<i>Beauveria bassiana</i>	2560	<i>Metarhizium robertsii</i>	2647	<i>Hirsutella sp.</i>
2486	<i>Beauveria bassiana</i>	2561	<i>Metarhizium robertsii</i>	2648	<i>Hirsutella sp.</i>
2487	<i>Beauveria bassiana</i>	2562	<i>Leptolegnia chapmanii</i>	2649	<i>Hirsutella sp.</i>
2488	<i>Isaria tenuipes</i>	2563	Unidentified sp.	2650	<i>Hirsutella sp.</i>
2489	<i>Isaria tenuipes</i>	2564	<i>Isaria farinosa</i>	2651	<i>Hirsutella sp.</i>
2490	<i>Isaria tenuipes</i>	2567	<i>Beauveria caledonica</i>	2652	<i>Hirsutella sp.</i>
2491	<i>Isaria tenuipes</i>	2568	<i>Fusarium sp.</i>	2653	<i>Hirsutella sp.</i>
2492	<i>Nomuraea rileyi</i>	2569	<i>Fusarium sp.</i>	2654	<i>Hirsutella sp.</i>
2493	<i>Conidiobolus pseudapiculatus</i>	2570	<i>Beauveria bassiana</i>	2655	<i>Hirsutella sp.</i>
2494	<i>Conidiobolus sp.</i>	2571	<i>Beauveria bassiana</i>	2656	<i>Hirsutella sp.</i>
2495	<i>Erynia sp.</i>	2572	<i>Beauveria bassiana</i>	2657	<i>Hirsutella sp.</i>
2496	<i>Conidiobolus pseudapiculatus</i>	2573	<i>Beauveria bassiana</i>	2658	<i>Isaria fumosorosea</i>
2497	<i>Conidiobolus pseudapiculatus</i>	2574	<i>Metarhizium anisopliae sensu lato</i>	2659	<i>Lecanicillium muscarium</i>
2498	<i>Conidiobolus sp.</i>	2575	<i>Metarhizium robertsii</i>	2660	<i>Beauveria brongniartii</i>
2499	<i>Zoopthora radicans</i>	2576	<i>Isaria farinosa</i>	2661	<i>Entomophaga maimaiga</i>
2500	<i>Zoopthora radicans</i>	2577	<i>Isaria farinosa</i>	2663	<i>Erynia sp.</i>
2501	<i>Zoopthora radicans</i>	2578	<i>Isaria farinosa</i>	2664	<i>Erynia sp.</i>
2502	<i>Conidiobolus pseudapiculatus</i>	2579	<i>Beauveria bassiana</i>	2665	<i>Entomophthora muscae</i>
2503	<i>Zoopthora radicans</i>	2580	<i>Beauveria bassiana</i>	2666	<i>Zoopthora radicans</i>
2504	<i>Batkoa apiculata</i>	2581	<i>Hirsutella sp.</i>	2667	<i>Entomophthora schizophorae</i>
2505	<i>Zoopthora anglica</i>	2583	<i>Pandora neoaphidis</i>	2668	<i>Entomophthora muscae</i>
2506	<i>Zoopthora radicans</i>	2584	<i>Pandora neoaphidis</i>	2670	<i>Entomophthora muscae</i>
2507	<i>Erynia sp.</i>	2585	<i>Pandora neoaphidis</i>	2671	<i>Eryniopsis ptychopterae</i>
2509	<i>Beauveria bassiana</i>	2587	<i>Pandora neoaphidis</i>	2672	<i>Conidiobolus sp.</i>
2510	<i>Metarhizium anisopliae sensu lato</i>	2588	<i>Pandora neoaphidis</i>	2673	<i>Entomophthora muscae</i>
2511	<i>Beauveria bassiana</i>	2589	<i>Pandora neoaphidis</i>	2674	<i>Entomophthora muscae</i>

2675 Entomophthora muscae	2745 Isaria fumosorosea	2821 Unidentified sp.
2676 Beauveria bassiana	2746 Unidentified sp.	2822 Isaria farinosa
2677 Neozygites tetranynchi	2747 Penicillium sp.	2824 Pandora blunckii
2678 Entomophthora muscae	2748 Beauveria bassiana	2828 Conidiobolus thromboides
2679 Isaria fumosorosea	2749 Isaria fumosorosea	2829 Conidiobolus thromboides
2680 Leptolegnia chapmanii	2751 Beniowskia sp.	2831 Beauveria bassiana
2681 Leptolegnia chapmanii	2752 Geotrichum sp.	2832 Lecanicillium sp. 2(?)
2682 Leptolegnia chapmanii	2754 Pandora neoaphidis	2833 Aspergillus ochraceus
2683 Ascospaera apis	2755 Pandora neoaphidis	2834 Penicillium sp.
2684 Tolyposcladium geodes	2756 Pandora neoaphidis	2835 Isaria farinosa
2685 Beauveria bassiana	2757 Pandora neoaphidis	2836 Penicillium sp.
2686 Beauveria bassiana	2758 Pandora neoaphidis	2837 Pandora neoaphidis
2687 Beauveria bassiana	2760 Pandora neoaphidis	2838 Pandora neoaphidis
2688 Beauveria bassiana	2761 Pandora neoaphidis	2839 Pandora neoaphidis
2689 Beauveria bassiana	2762 Pandora neoaphidis	2840 Pandora neoaphidis
2690 Beauveria bassiana	2763 Pandora neoaphidis	2841 Zoophthora occidentalis
2691 Beauveria bassiana	2764 Metarhizium brunneum	2842 Pandora neoaphidis
2692 Beauveria bassiana	2765 Aspergillus sp.	2843 Entomophaga aulicae
2693 Beauveria bassiana	2766 Pandora neoaphidis	2844 Pandora neoaphidis
2694 Beauveria varroae	2767 Pandora neoaphidis	2845 Pandora neoaphidis
2695 Beauveria bassiana	2768 Pandora neoaphidis	2846 Pandora neoaphidis
2696 Zoophthora radicans	2769 Pandora neoaphidis	2847 Pandora neoaphidis
2697 Zoophthora radicans	2771 Conidiobolus sp.	2848 Pandora neoaphidis
2698 Zoophthora radicans	2772 Conidiobolus sp.	2849 Conidiobolus thromboides
2699 Zoophthora radicans	2773 Pandora neoaphidis	2850 Conidiobolus thromboides
2700 Zoophthora radicans	2775 Entomophaga maimaiga	2851 Pandora neoaphidis
2701 Zoophthora radicans	2776 Fusarium sp.	2852 Pandora neoaphidis
2702 Zoophthora radicans	2777 Tolyposcladium cylindrosporium	2853 Pandora neoaphidis
2703 Zoophthora radicans	2778 Tolyposcladium cylindrosporium	2854 Pandora neoaphidis
2704 Zoophthora radicans	2779 Entomophaga maimaiga	2855 Pandora neoaphidis
2705 Zoophthora radicans	2780 Entomophaga maimaiga	2856 Pandora neoaphidis
2706 Zoophthora radicans	2781 Pandora neoaphidis	2857 Beauveria bassiana
2707 Zoophthora radicans	2782 Pandora neoaphidis	2858 Lecanicillium muscarium
2708 Zoophthora radicans	2783 Pandora neoaphidis	2859 Verticillium lecanii
2709 Zoophthora radicans	2784 Pandora neoaphidis	2860 Beauveria bassiana
2710 Zoophthora radicans	2786 Metarhizium anisopliae sensu stricto	2861 Beauveria bassiana
2711 Zoophthora radicans	2787 Basidiobolus ranarum	2862 Lecanicillium muscarium
2712 Zoophthora radicans	2788 Hirsutella rhossiliensis	2863 Stachybotrys sp.
2713 Zoophthora radicans	2789 Hirsutella rhossiliensis	2864 Beauveria bassiana
2714 Zoophthora radicans	2790 Hirsutella rhossiliensis	2865 Pandora neoaphidis
2715 Conidiobolus coronatus	2791 Hirsutella rhossiliensis	2866 Pandora neoaphidis
2716 Zoophthora radicans	2792 Hirsutella rhossiliensis	2867 Pandora neoaphidis
2717 Zoophthora radicans	2793 Hirsutella rhossiliensis	2868 Pandora neoaphidis
2718 Zoophthora radicans	2794 Hirsutella rhossiliensis	2869 Beauveria bassiana
2719 Zoophthora radicans	2795 Hirsutella sp.	2870 Pandora neoaphidis
2720 Zoophthora radicans	2796 Hirsutella sp.	2872 Pandora neoaphidis
2721 Entomophaga praxibuli	2797 Hirsutella sp.	2873 Pandora neoaphidis
2722 Beauveria bassiana	2798 Hirsutella sp.	2874 Pandora neoaphidis
2723 Beauveria bassiana	2799 Hirsutella sp.	2875 Pandora neoaphidis
2724 Isaria farinosa	2800 Hirsutella thompsonii	2876 Pandora neoaphidis
2725 Beauveria bassiana	2801 Hirsutella sp.	2877 Lecanicillium muscarium
2726 Isaria farinosa	2802 Hirsutella sp.	2878 Lecanicillium muscarium
2727 Beauveria bassiana	2803 Hirsutella sp.	2879 Beauveria bassiana
2728 Beauveria bassiana	2804 Isaria fumosorosea	2880 Beauveria bassiana
2729 Beauveria bassiana	2805 Metarhizium anisopliae sensu lato	2881 Beauveria bassiana
2730 Conidiobolus coronatus	2806 Metarhizium anisopliae sensu lato	2882 Beauveria bassiana
2731 Conidiobolus firmipilleus	2807 Isaria farinosa	2883 Beauveria bassiana
2732 Zoophthora radicans	2808 Metarhizium majus	2893 Zoophthora radicans
2733 Isaria fumosorosea	2809 Metarhizium pingshaense	2894 Hirsutella rhossiliensis
2734 Isaria fumosorosea	2810 Mixed Culture sp.	2896 Entomophaga aulicae
2735 Metarhizium pingshaense	2811 Zoophthora radicans	2897 Entomophaga aulicae
2736 Fusarium sp.	2812 Conidiobolus coronatus	2898 Entomophaga aulicae
2737 Beauveria bassiana	2813 Conidiobolus coronatus	2899 Entomophaga aulicae
2738 Mixed Culture sp.	2814 Conidiobolus coronatus	2900 Entomophaga aulicae
2739 Beauveria bassiana	2815 Conidiobolus sp.	2901 Entomophaga aulicae
2740 Mixed Culture sp.	2816 Conidiobolus sp.	2902 Entomophaga aulicae
2741 Myrothecium verrucaria	2817 Aspergillus sp.	2903 Entomophaga aulicae
2742 Metarhizium brunneum	2818 Aspergillus flavus	2904 Entomophaga aulicae
2743 Fusarium sp.	2819 Conidiobolus sp.	2905 Entomophaga aulicae
2744 Isaria fumosorosea	2820 Aspergillus sp.	2906 Furia gastropachae

2909	<i>Sporothrix insectorum</i>	2981	<i>Metarhizium robertsii</i>	3057	<i>Metarhizium anisopliae sensu lato</i>
2910	<i>Akanthomyces gracilis</i>	2982	<i>Metarhizium robertsii</i>	3058	<i>Entomophaga praxibuli</i>
2911	<i>Tolypocladium cylindrosporum</i>	2983	<i>Beauveria bassiana</i>	3059	<i>Entomophaga praxibuli</i>
2912	<i>Tolypocladium cylindrosporum</i>	2984	<i>Beauveria bassiana</i>	3060	<i>Entomophaga praxibuli</i>
2913	<i>Pseudogibellula formicarum</i>	2985	<i>Beauveria bassiana</i>	3061	<i>Entomophaga praxibuli</i>
2914	<i>Conidiobolus thromboides</i>	2986	<i>Beauveria bassiana</i>	3062	<i>Pandora delphacis</i>
2915	<i>Stilbella buquetii</i>	2987	<i>Beauveria bassiana</i>	3063	<i>Beauveria pseudobassiana</i>
2916	<i>Verticillium lecanii</i>	2988	<i>Beauveria bassiana</i>	3064	<i>Metarhizium anisopliae sensu lato</i>
2917	<i>Stilbella buquetii</i>	2989	<i>Beauveria bassiana</i>	3065	<i>Beauveria pseudobassiana</i>
2918	<i>Sporothrix insectorum</i>	2990	<i>Beauveria bassiana</i>	3066	<i>Beauveria pseudobassiana</i>
2919	<i>Akanthomyces gracilis</i>	2991	<i>Beauveria bassiana</i>	3068	<i>Entomophaga praxibuli</i>
2920	<i>Tolypocladium cylindrosporum</i>	2992	<i>Hirsutella sp.</i>	3069	<i>Entomophaga praxibuli</i>
2921	<i>Tolypocladium extingens</i>	2993	<i>Hirsutella guyana</i>	3070	<i>Beauveria pseudobassiana</i>
2922	<i>Beauveria vermiconia</i>	2994	<i>Zoopththora radicans</i>	3071	<i>Zoopththora occidentalis</i>
2923	<i>Lecanicillium muscarium</i>	2995	<i>Zoopththora radicans</i>	3072	<i>Pandora delphacis</i>
2924	<i>Conidiobolus sp.</i>	2996	<i>Zoopththora radicans</i>	3073	<i>Zoopththora occidentalis</i>
2925	<i>Conidiobolus sp.</i>	2997	<i>Beauveria pseudobassiana</i>	3074	<i>Entomophthora muscae</i>
2926	<i>Conidiobolus sp.</i>	2998	<i>Beauveria sp.</i>	3075	<i>Pandora blunckii</i>
2927	<i>Conidiobolus sp.</i>	2999	Unidentified / <i>Hyphomycetes</i>	3076	<i>Isaria fumosorosea</i>
2928	<i>Conidiobolus sp.</i>	3000	<i>Lecanicillium muscarium</i>	3077	<i>Entomophthora macleodii</i>
2929	<i>Engyodontium aranearum</i>	3001	<i>Gliocladium roseum</i>	3078	<i>Entomophthora macleodii</i>
2930	<i>Mariannaea sp.</i>	3002	<i>Zoopththora radicans</i>	3079	<i>Entomophthora macleodii</i>
2931	<i>Hirsutella rhossiliensis</i>	3003	<i>Zoopththora radicans</i>	3080	<i>Batkoa apiculata</i>
2932	<i>Hirsutella rhossiliensis</i>	3004	<i>Zoopththora radicans</i>	3081	<i>Pandora neoaphidis</i>
2933	<i>Hirsutella rhossiliensis</i>	3005	<i>Zoopththora radicans</i>	3082	<i>Pandora neoaphidis</i>
2934	<i>Drechslerella dactyloides</i>	3006	<i>Zoopththora radicans</i>	3083	<i>Isaria fumosorosea</i>
2935	<i>Engyodontium aranearum</i>	3007	<i>Zoopththora radicans</i>	3084	<i>Trichoderma sp.</i>
2936	<i>Batkoa major</i>	3008	<i>Zoopththora radicans</i>	3085	<i>Cladosporium cladosporioides</i>
2937	<i>Isaria farinosa</i>	3009	<i>Zoopththora radicans</i>	3086	<i>Beauveria bassiana</i>
2938	<i>Beauveria bassiana</i>	3010	<i>Zoopththora radicans</i>	3087	<i>Conidiobolus coronatus</i>
2939	<i>Hirsutella sp.</i>	3011	<i>Zoopththora radicans</i>	3088	<i>Batkoa apiculata</i>
2940	<i>Hirsutella sp.</i>	3012	<i>Zoopththora radicans</i>	3089	<i>Conidiobolus obscurus</i>
2941	<i>Metarhizium anisopliae sensu lato</i>	3013	<i>Zoopththora radicans</i>	3090	<i>Conidiobolus obscurus</i>
2942	<i>Beauveria bassiana</i>	3014	<i>Aschersonia sp.</i>	3091	<i>Batkoa apiculata</i>
2943	<i>Beauveria bassiana</i>	3015	<i>Aschersonia sp.</i>	3092	<i>Conidiobolus obscurus</i>
2944	<i>Beauveria bassiana</i>	3016	<i>Entomophthora aulicae</i>	3093	<i>Pandora delphacis</i>
2945	<i>Beauveria bassiana</i>	3017	<i>Isaria farinosa</i>	3094	<i>Pandora delphacis</i>
2946	<i>Beauveria bassiana</i>	3018	<i>Beauveria bassiana</i>	3095	<i>Pandora delphacis</i>
2948	<i>Metarhizium flavoviride 'Type E'</i>	3019	<i>Beauveria bassiana</i>	3096	<i>Pandora delphacis</i>
2949	<i>Metarhizium anisopliae sensu lato</i>	3020	<i>Beauveria bassiana</i>	3097	<i>Beauveria bassiana</i>
2950	<i>Penicillium sp.</i>	3021	<i>Zoopththora radicans</i>	3098	<i>Beauveria bassiana</i>
2951	<i>Metarhizium anisopliae sensu lato</i>	3022	<i>Zoopththora radicans</i>	3099	<i>Conidiobolus coronatus</i>
2952	<i>Purpureocillium lilacinum</i>	3023	<i>Zoopththora radicans</i>	3101	<i>Paecilomyces sp.</i>
2953	<i>Beauveria bassiana</i>	3024	<i>Zoopththora radicans</i>	3102	<i>Batkoa major</i>
2954	<i>Isaria farinosa</i>	3026	<i>Zoopththora radicans</i>	3103	<i>Batkoa major</i>
2955	<i>Conidiobolus thromboides</i>	3027	<i>Zoopththora radicans</i>	3104	<i>Zoopththora radicans</i>
2956	<i>Isaria fumosorosea</i>	3028	<i>Zoopththora occidentalis</i>	3105	<i>Zoopththora radicans</i>
2957	<i>Beauveria bassiana</i>	3029	<i>Zoopththora occidentalis</i>	3106	<i>Pandora delphacis</i>
2958	<i>Isaria amoenerosea</i>	3030	<i>Fusarium sp.</i>	3107	<i>Pandora delphacis</i>
2959	<i>Isaria amoenerosea</i>	3031	<i>Fusarium sp.</i>	3108	<i>Metarhizium robertsii</i>
2960	<i>Isaria amoenerosea</i>	3032	<i>Fusarium sp.</i>	3109	<i>Conidiobolus coronatus</i>
2961	<i>Beauveria bassiana</i>	3035	<i>Pochonia bulbillosa(?)</i>	3110	<i>Entomophthora maimaiga</i>
2962	<i>Beauveria bassiana</i>	3036	<i>Penicillium sp.</i>	3111	<i>Beauveria bassiana</i>
2963	<i>Entomophaga praxibuli</i>	3037	<i>Beauveria bassiana</i>	3112	<i>Beauveria bassiana</i>
2964	<i>Entomophaga praxibuli</i>	3039	<i>Entomophthora aulicae</i>	3113	<i>Beauveria bassiana</i>
2965	<i>Entomophaga praxibuli</i>	3040	<i>Beauveria bassiana</i>	3114	<i>Zoopththora radicans</i>
2966	<i>Entomophaga praxibuli</i>	3041	<i>Beauveria bassiana</i>	3115	<i>Zoopththora radicans</i>
2967	<i>Entomophaga praxibuli</i>	3042	<i>Fusarium sp.</i>	3116	<i>Zoopththora radicans</i>
2968	<i>Entomophaga praxibuli</i>	3043	<i>Metarhizium robertsii</i>	3117	<i>Zoopththora radicans</i>
2969	<i>Entomophaga praxibuli</i>	3044	<i>Metarhizium pingshaense</i>	3118	<i>Zoopththora radicans</i>
2970	<i>Entomophaga praxibuli</i>	3045	<i>Metarhizium brunneum</i>	3119	<i>Zoopththora radicans</i>
2971	<i>Isaria farinosa</i>	3047	<i>Purpureocillium lilacinum</i>	3120	<i>Beauveria bassiana</i>
2972	<i>Beauveria bassiana</i>	3048	<i>Aspergillus sp.</i>	3121	<i>Beauveria pseudobassiana</i>
2974	<i>Metarhizium brunneum</i>	3049	<i>Purpureocillium lilacinum</i>	3122	Unidentified sp.
2975	<i>Isaria farinosa</i>	3051	<i>Fusarium sp.</i>	3123	Unidentified sp.
2976	<i>Beauveria bassiana</i>	3052	<i>Entomophthora maimaiga</i>	3124	Unidentified sp.
2977	<i>Zoopththora radicans</i>	3053	<i>Entomophthora maimaiga</i>	3125	Unidentified sp.
2978	<i>Zoopththora radicans</i>	3054	<i>Beauveria brongniartii</i>	3126	<i>Pandora neoaphidis</i>
2979	<i>Zoopththora radicans</i>	3055	<i>Beauveria pseudobassiana</i>	3127	<i>Metarhizium anisopliae sensu lato</i>
2980	<i>Zoopththora radicans</i>	3056	<i>Metarhizium anisopliae sensu lato</i>	3128	Unidentified sp.

3129	<i>Conidiobolus thromboides</i>	3199	<i>Beauveria bassiana</i>	3270	<i>Mariannaea</i> sp.
3130	<i>Batkoa apiculata</i>	3200	<i>Pandora blunckii</i>	3271	<i>Tolypocladium geodes</i>
3131	<i>Batkoa</i> sp.	3201	<i>Pandora</i> sp.	3272	<i>Tolypocladium geodes</i>
3132	<i>Conidiobolus obscurus</i>	3202	<i>Pandora blunckii</i>	3273	<i>Tolypocladium geodes</i>
3133	<i>Conidiobolus obscurus</i>	3203	<i>Scopulariopsis</i> sp.	3274	<i>Tolypocladium geodes</i>
3134	<i>Conidiobolus obscurus</i>	3204	<i>Zoophthora radicans</i>	3275	<i>Tolypocladium geodes</i>
3135	<i>Conidiobolus obscurus</i>	3205	<i>Zoophthora radicans</i>	3276	<i>Tolypocladium geodes</i>
3136	<i>Batkoa apiculata</i>	3206	<i>Zoophthora radicans</i>	3277	<i>Tolypocladium inflatum</i>
3137	<i>Conidiobolus obscurus</i>	3207	<i>Hirsutella rrossiliensis</i>	3278	<i>Tolypocladium inflatum</i>
3138	<i>Conidiobolus obscurus</i>	3208	<i>Conidiobolus</i> sp.	3279	<i>Tolypocladium inflatum</i>
3139	<i>Conidiobolus obscurus</i>	3209	Unidentified sp.	3280	<i>Tolypocladium inflatum</i>
3140	<i>Batkoa apiculata</i>	3210	<i>Metarhizium pingshaense</i>	3281	<i>Tolypocladium inflatum</i>
3141	<i>Conidiobolus obscurus</i>	3211	<i>Metarhizium robertsii</i>	3282	<i>Strongwellsea castrans</i>
3142	Unidentified / <i>Hyphomycetes</i>	3212	<i>Entomophaga aulicae</i>	3283	<i>Zoophthora radicans</i>
3143	<i>Aspergillus niger</i>	3213	<i>Zoophthora radicans</i>	3284	<i>Zoophthora radicans</i>
3144	<i>Aspergillus flavus</i>	3214	<i>Zoophthora radicans</i>	3285	<i>Beauveria bassiana</i>
3145	<i>Metarhizium anisopliae</i> var. <i>majus</i>	3215	<i>Beauveria bassiana</i>	3286	<i>Beauveria bassiana</i>
3146	<i>Metarhizium anisopliae</i> sensu lato	3216	<i>Beauveria pseudobassiana</i>	3287	<i>Beauveria bassiana</i>
3147	<i>Metarhizium anisopliae</i> sensu lato	3217	<i>Zoophthora radicans</i>	3288	<i>Beauveria bassiana</i>
3148	<i>Metarhizium anisopliae</i> sensu lato	3218	<i>Fusarium acuminatum</i>	3289	<i>Beauveria</i> sp.
3149	<i>Zoophthora radicans</i>	3219	<i>Beauveria bassiana</i>	3290	<i>Metarhizium anisopliae</i> sensu lato
3150	<i>Zoophthora radicans</i>	3220	<i>Beauveria pseudobassiana</i>	3291	<i>Metarhizium anisopliae</i> sensu lato
3151	<i>Zoophthora radicans</i>	3221	<i>Isaria farinosa</i>	3292	<i>Metarhizium anisopliae</i> sensu lato
3152	<i>Isaria farinosa</i>	3222	<i>Conidiobolus coronatus</i>	3293	<i>Metarhizium anisopliae</i> sensu lato
3153	<i>Beauveria pseudobassiana</i>	3223	<i>Fusarium moniliforme</i> var. <i>intermedium</i>	3294	<i>Metarhizium brunneum</i>
3154	<i>Beauveria bassiana</i>	3225	<i>Batkoa apiculata</i>	3295	<i>Metarhizium brunneum</i>
3155	<i>Beauveria bassiana</i>	3226	<i>Batkoa apiculata</i>	3296	<i>Fusarium</i> sp.
3156	<i>Beauveria bassiana</i>	3227	Unidentified sp.	3297	<i>Metarhizium brunneum</i>
3157	<i>Beauveria bassiana</i>	3228	Unidentified sp.	3298	Unidentified sp.
3158	<i>Beauveria bassiana</i>	3228	Unidentified sp.	3299	Unidentified sp.
3159	<i>Zoophthora radicans</i>	3229	<i>Erynia curvispora</i>	3300	<i>Fusarium</i> sp.
3160	<i>Zoophthora radicans</i>	3230	Unidentified sp.	3301	<i>Nomuraea rileyi</i>
3161	<i>Zoophthora radicans</i>	3231	Unidentified sp.	3302	<i>Isaria fumosorosea</i>
3162	<i>Zoophthora radicans</i>	3232	Unidentified sp.	3303	<i>Isaria javanica</i>
3163	<i>Zoophthora radicans</i>	3233	Unidentified sp.	3304	Unidentified sp.
3164	<i>Zoophthora radicans</i>	3234	<i>Pandora neoaphidis</i>	3305	<i>Metarhizium anisopliae</i> sensu lato
3165	<i>Zoophthora radicans</i>	3235	Unidentified sp.	3306	<i>Metarhizium anisopliae</i> sensu lato
3166	<i>Beauveria bassiana</i>	3236	Unidentified sp.	3307	<i>Metarhizium anisopliae</i> sensu lato
3167	<i>Beauveria bassiana</i>	3237	<i>Pandora neoaphidis</i>	3308	<i>Metarhizium anisopliae</i> sensu lato
3168	<i>Beauveria bassiana</i>	3238	<i>Pandora neoaphidis</i>	3309	<i>Beauveria bassiana</i>
3169	<i>Beauveria bassiana</i>	3239	Unidentified sp.	3310	<i>Beauveria bassiana</i>
3170	<i>Zoophthora radicans</i>	3240	<i>Pandora neoaphidis</i>	3311	<i>Beauveria bassiana</i>
3171	<i>Zoophthora radicans</i>	3241	<i>Pandora neoaphidis</i>	3312	<i>Beauveria bassiana</i>
3172	<i>Zoophthora radicans</i>	3242	Unidentified sp.	3313	<i>Isaria fumosorosea</i>
3173	<i>Haptocillium balanoides</i>	3243	Unidentified sp.	3314	<i>Pochonia chlamydosporia</i>
3174	<i>Pandora neoaphidis</i>	3244	<i>Erynia curvispora</i>	3315	<i>Mariannaea</i> sp.
3175	<i>Pandora neoaphidis</i>	3245	Unidentified sp.	3316	<i>Mariannaea</i> sp.
3176	<i>Aspergillus</i> sp.	3246	Unidentified sp.	3317	<i>Mariannaea</i> sp.
3177	<i>Isaria fumosorosea</i>	3247	Unidentified sp.	3318	<i>Hirsutella</i> sp.
3178	Mixed Culture sp.	3248	<i>Pandora neoaphidis</i>	3319	Unidentified sp.
3179	<i>Isaria fumosorosea</i>	3249	<i>Pandora neoaphidis</i>	3320	<i>Tolypocladium inflatum</i>
3180	<i>Metarhizium pingshaense</i>	3250	<i>Pandora neoaphidis</i>	3321	<i>Tolypocladium inflatum</i>
3181	<i>Beauveria bassiana</i>	3251	<i>Pandora neoaphidis</i>	3322	<i>Isaria fumosorosea</i>
3182	Mixed Culture sp.	3252	<i>Mariannaea</i> sp.	3323	<i>Hirsutella thompsonii</i>
3183	<i>Isaria farinosa</i>	3253	<i>Lecanicillium</i> sp.	3324	<i>Lecanicillium muscarium</i>
3184	<i>Isaria farinosa</i>	3254	<i>Lecanicillium</i> sp.	3325	<i>Aspergillus ochraceus</i>
3185	<i>Isaria farinosa</i>	3255	<i>Lecanicillium</i> sp.	3326	<i>Lagenidium giganteum</i>
3186	<i>Isaria farinosa</i>	3257	<i>Mariannaea</i> sp.	3327	<i>Lagenidium giganteum</i>
3187	<i>Metarhizium anisopliae</i> sensu stricto	3258	<i>Mariannaea</i> sp.	3329	<i>Metarhizium anisopliae</i> sensu lato
3188	<i>Isaria fumosorosea</i>	3259	<i>Lecanicillium</i> sp.	3330	<i>Metarhizium anisopliae</i> sensu lato
3189	<i>Scopulariopsis</i> sp.	3260	<i>Lecanicillium</i> sp.	3331	<i>Metarhizium anisopliae</i> sensu lato
3190	<i>Metarhizium anisopliae</i> sensu lato	3261	<i>Mariannaea</i> sp.	3332	<i>Metarhizium anisopliae</i> sensu lato
3191	<i>Isaria farinosa</i>	3262	<i>Mariannaea</i> sp.	3333	<i>Metarhizium anisopliae</i> sensu lato
3192	<i>Isaria amoenerosea</i>	3263	<i>Mariannaea</i> sp.	3334	<i>Metarhizium anisopliae</i> sensu lato
3193	<i>Metarhizium pingshaense</i>	3264	<i>Mariannaea</i> sp.	3335	<i>Metarhizium anisopliae</i> sensu lato
3194	<i>Metarhizium anisopliae</i> sensu lato	3265	<i>Mariannaea</i> sp.	3336	<i>Metarhizium anisopliae</i> sensu lato
3195	<i>Aspergillus</i> sp.	3266	<i>Hirsutella</i> sp.	3337	<i>Metarhizium anisopliae</i> sensu lato
3196	<i>Metarhizium anisopliae</i> sensu lato	3267	<i>Mariannaea</i> sp.	3338	<i>Metarhizium anisopliae</i> sensu lato
3197	<i>Beauveria bassiana</i>	3268	<i>Mariannaea</i> sp.	3339	<i>Metarhizium anisopliae</i> sensu lato
3198	<i>Beauveria bassiana</i>	3269	<i>Mariannaea</i> sp.	3340	<i>Metarhizium anisopliae</i> sensu lato

3341	<i>Metarhizium acridum</i>	3412	<i>Pandora neoaphidis</i>	3483	<i>Fusarium torulosum</i>
3342	<i>Zoophthora phytonomi</i>	3413	Unidentified sp.	3484	<i>Pandora delphacis</i>
3343	<i>Zoophthora phytonomi</i>	3414	<i>Conidiobolus coronatus</i>	3485	<i>Strongwellsea castrans</i>
3344	<i>Zoophthora phytonomi</i>	3415	<i>Conidiobolus coronatus</i>	3486	<i>Zoophthora</i> sp.
3345	<i>Fusarium</i> sp.	3416	<i>Lecanicillium psalliotae</i>	3487	<i>Zoophthora</i> sp.
3346	<i>Drechmeria coniospora</i>	3417	Unidentified sp.	3488	<i>Zoophthora</i> sp.
3347	<i>Arthrobotrys oligospora</i>	3418	<i>Lecanicillium muscarium</i>	3490	<i>Isaria farinosa</i>
3348	<i>Monacrosporium ellipsosporum</i>	3419	Unidentified sp.	3491	<i>Isaria farinosa</i>
3349	<i>Monacrosporium cionopagum</i>	3420	Unidentified sp.	3492	<i>Isaria farinosa</i>
3350	<i>Haptocillium balanoides</i>	3421	Unidentified sp.	3493	<i>Isaria farinosa</i>
3351	<i>Nematoctonus</i> sp.	3422	Unidentified sp.	3494	<i>Isaria farinosa</i>
3354	<i>Drechmeria coniospora</i>	3423	Unidentified sp.	3495	<i>Isaria farinosa</i>
3355	<i>Zoophthora radicans</i>	3424	Unidentified sp.	3496	<i>Isaria farinosa</i>
3356	<i>Entomophaga praxibuli</i>	3425	Unidentified sp.	3497	<i>Isaria farinosa</i>
3357	<i>Entomophaga praxibuli</i>	3426	Unidentified sp.	3498	<i>Isaria farinosa</i>
3358	<i>Entomophaga praxibuli</i>	3427	Unidentified sp.	3499	<i>Isaria farinosa</i>
3359	<i>Conidiobolus thromboides</i>	3428	Unidentified sp.	3500	<i>Isaria farinosa</i>
3360	<i>Conidiobolus thromboides</i>	3429	<i>Isaria fumosorosea</i>	3501	<i>Isaria farinosa</i>
3361	<i>Conidiobolus thromboides</i>	3430	<i>Aspergillus flavus</i>	3502	<i>Isaria farinosa</i>
3362	<i>Conidiobolus thromboides</i>	3431	<i>Tolypocladium microsporium</i>	3503	<i>Isaria farinosa</i>
3363	<i>Conidiobolus thromboides</i>	3432	<i>Tolypocladium inflatum</i>	3504	<i>Isaria farinosa</i>
3364	<i>Conidiobolus thromboides</i>	3433	<i>Tolypocladium inflatum</i>	3505	<i>Isaria farinosa</i>
3365	<i>Pandora neoaphidis</i>	3434	<i>Tolypocladium nubicola</i>	3506	<i>Isaria farinosa</i>
3366	<i>Pandora neoaphidis</i>	3435	<i>Tolypocladium nubicola</i>	3507	<i>Isaria farinosa</i>
3367	<i>Pandora neoaphidis</i>	3436	<i>Tolypocladium parasiticum</i>	3508	<i>Isaria farinosa</i>
3368	Unidentified sp.	3437	<i>Beauveria bassiana</i>	3509	<i>Hirsutella brownorum</i>
3369	<i>Arthrobotrys oligospora</i> var. <i>oligospora</i>	3438	<i>Beauveria bassiana</i>	3510	<i>Beauveria</i> sp.
3370	<i>Arthrobotrys oligospora</i> var. <i>oligospora</i>	3439	<i>Beauveria bassiana</i>	3511	<i>Purpureocillium lilacinum</i>
3371	<i>Drechslerella dactyloides</i>	3440	<i>Beauveria bassiana</i>	3512	<i>Purpureocillium lilacinum</i>
3372	<i>Drechslerella dactyloides</i>	3441	<i>Beauveria bassiana</i>	3513	<i>Beauveria bassiana</i>
3373	<i>Drechslerella dactyloides</i>	3442	<i>Beauveria bassiana</i>	3514	<i>Beauveria bassiana</i>
3374	Unidentified sp.	3443	<i>Beauveria bassiana</i>	3515	<i>Beauveria bassiana</i>
3375	<i>Cladosporium cladosporioides</i>	3444	<i>Beauveria bassiana</i>	3516	<i>Beauveria bassiana</i>
3376	<i>Zoophthora radicans</i>	3445	<i>Beauveria bassiana</i>	3517	<i>Isaria farinosa</i>
3377	<i>Zoophthora radicans</i>	3446	<i>Beauveria bassiana</i>	3518	<i>Isaria farinosa</i>
3378	Unidentified sp.	3447	<i>Beauveria bassiana</i>	3519	<i>Isaria farinosa</i>
3379	<i>Conidiobolus coronatus</i>	3448	<i>Beauveria bassiana</i>	3520	<i>Isaria farinosa</i>
3380	Unidentified sp.	3449	<i>Beauveria bassiana</i>	3521	<i>Isaria farinosa</i>
3381	Unidentified sp.	3450	<i>Beauveria bassiana</i>	3522	<i>Isaria farinosa</i>
3382	<i>Fusarium</i> sp.	3451	<i>Beauveria bassiana</i>	3523	<i>Isaria farinosa</i>
3383	<i>Conidiobolus</i> sp.	3452	<i>Beauveria bassiana</i>	3524	<i>Isaria farinosa</i>
3384	<i>Conidiobolus</i> sp.	3453	<i>Beauveria bassiana</i>	3525	<i>Isaria farinosa</i>
3385	<i>Beauveria bassiana</i>	3454	<i>Beauveria bassiana</i>	3526	<i>Isaria farinosa</i>
3386	<i>Beauveria bassiana</i>	3455	<i>Beauveria bassiana</i>	3527	<i>Beauveria bassiana</i>
3387	<i>Lecanicillium lecanii</i>	3456	<i>Beauveria bassiana</i>	3528	<i>Beauveria pseudobassiana</i>
3388	<i>Metarhizium robertsii</i>	3457	<i>Beauveria bassiana</i>	3529	<i>Beauveria pseudobassiana</i>
3389	<i>Metarhizium anisopliae</i> sensu lato	3458	<i>Isaria fumosorosea</i>	3530	<i>Beauveria bassiana</i>
3390	<i>Zoophthora radicans</i>	3459	<i>Pandora neoaphidis</i>	3531	<i>Lecanicillium muscarium</i>
3391	<i>Metarhizium acridum</i>	3460	<i>Beauveria bassiana</i>	3532	<i>Fusarium</i> sp.
3392	<i>Tolypocladium cylindrosporium</i>	3461	<i>Isaria farinosa</i>	3533	<i>Isaria farinosa</i>
3393	<i>Tolypocladium cylindrosporium</i>	3462	<i>Beauveria bassiana</i>	3534	<i>Beauveria bassiana</i>
3394	<i>Tolypocladium inflatum</i>	3463	<i>Cladosporium cladosporioides</i>	3535	<i>Mucor</i> sp.
3395	<i>Tolypocladium inflatum</i>	3464	<i>Lecanicillium muscarium</i>	3536	Unidentified sp.
3396	<i>Tolypocladium inflatum</i>	3466	Unidentified sp.	3537	<i>Isaria farinosa</i>
3398	<i>Tolypocladium inflatum</i>	3467	Unidentified sp.	3538	<i>Isaria farinosa</i>
3399	<i>Tolypocladium tundrense</i>	3468	Unidentified sp.	3539	<i>Pochonia chlamydosporia</i>
3400	<i>Tolypocladium tundrense</i>	3469	<i>Purpureocillium lilacinum</i>	3540	<i>Metarhizium robertsii</i>
3401	<i>Tolypocladium tundrense</i>	3470	Unidentified sp.	3541	<i>Metarhizium anisopliae</i> sensu lato
3402	<i>Conidiobolus</i> sp.	3471	Unidentified sp.	3542	<i>Metarhizium anisopliae</i> sensu lato
3403	<i>Beauveria bassiana</i>	3472	Mixed Culture sp.	3543	<i>Beauveria bassiana</i>
3404	<i>Beauveria bassiana</i>	3473	Unidentified sp.	3544	<i>Metarhizium anisopliae</i> sensu lato
3405	<i>Beauveria pseudobassiana</i>	3474	Unidentified sp.	3545	<i>Paecilomyces</i> sp.
3406	<i>Conidiobolus</i> sp.	3475	Unidentified sp.	3546	<i>Hirsutella</i> sp.
3407	<i>Conidiobolus</i> sp.	3476	Unidentified sp.	3547	<i>Verticillium</i> sp.
3408	<i>Isaria fumosorosea</i>	3477	<i>Beauveria bassiana</i>	3548	<i>Hirsutella</i> sp.
3409	<i>Conidiobolus</i> sp.	3478	Unidentified sp.	3549	<i>Mariannaea</i> sp.
3410	<i>Pandora neoaphidis</i>	3479	<i>Metarhizium anisopliae</i> sensu lato	3550	<i>Verticillium</i> sp.
3411	<i>Pandora neoaphidis</i>	3480	<i>Isaria fumosorosea</i>	3551	<i>Verticillium</i> sp.
		3481	<i>Purpureocillium lilacinum</i>	3552	<i>Verticillium</i> sp.
		3482	<i>Hirsutella thompsonii</i>	3553	<i>Hirsutella</i> sp.

3554	Mariannaea sp.	3624	Unidentified sp.	3694	Fusarium polyphialidicum
3555	Mariannaea sp.	3625	Unidentified sp.	3695	Fusarium polyphialidicum
3556	Verticillium sp.	3626	Unidentified sp.	3696	Fusarium polyphialidicum
3557	Mariannaea sp.	3627	Unidentified sp.	3697	Zoopthora radicans
3558	Mariannaea sp.	3628	Unidentified sp.	3698	Aspergillus sp.
3559	Mariannaea sp.	3629	Unidentified sp.	3699	Isaria fumosorosea
3560	Unidentified sp.	3630	Unidentified sp.	3700	Isaria fumosorosea
3561	Verticillium sp.	3631	Unidentified sp.	3701	Lecanicillium longisporum
3562	Mariannaea sp.	3632	Unidentified sp.	3702	Sterile mycelium
3563	Mariannaea sp.	3633	Unidentified sp.	3703	Sterile mycelium
3564	Isaria farinosa	3634	Unidentified sp.	3704	Fusarium sp.
3565	Metarhizium anisopliae sensu lato	3635	Unidentified sp.	3705	Sterile mycelium
3566	Paecilomyces sp.	3636	Unidentified sp.	3706	Cladosporium sp.
3567	Unidentified sp.	3637	Unidentified sp.	3707	Fusarium sp.
3568	Unidentified sp.	3638	Unidentified sp.	3708	Trichothecium roseum
3569	Unidentified sp.	3639	Unidentified sp.	3709	Lecanicillium muscarium
3570	Unidentified sp.	3640	Unidentified sp.	3710	Sterile mycelium
3571	Unidentified sp.	3641	Unidentified sp.	3711	Sterile mycelium
3572	Isaria farinosa	3642	Unidentified sp.	3712	Sterile mycelium
3573	Isaria javanica	3643	Unidentified sp.	3713	Metarhizium anisopliae sensu lato
3574	Isaria farinosa	3644	Unidentified sp.	3714	Unidentified sp.
3575	Isaria farinosa	3645	Unidentified sp.	3715	Verticillium insectorum
3576	Isaria farinosa	3646	Unidentified sp.	3716	Beauveria bassiana
3577	Isaria javanica	3647	Unidentified sp.	3717	Beauveria bassiana
3578	Isaria farinosa	3648	Unidentified sp.	3718	Cordyceps sp.
3579	Isaria farinosa	3649	Unidentified sp.	3719	Unidentified sp.
3580	Isaria farinosa	3650	Unidentified sp.	3720	Metarhizium anisopliae sensu lato
3581	Isaria fumosorosea	3651	Unidentified sp.	3721	Metarhizium robertsii
3582	Isaria farinosa	3652	Unidentified sp.	3722	Unidentified sp.
3583	Isaria farinosa	3653	Unidentified sp.	3723	Monacrosporium ellipsosporum
3584	Isaria farinosa	3654	Unidentified sp.	3724	Unidentified sp.
3585	Isaria farinosa	3655	Unidentified sp.	3725	Sterile mycelium
3586	Isaria farinosa	3656	Unidentified sp.	3726	Unidentified sp.
3587	Isaria farinosa	3657	Unidentified sp.	3727	Unidentified sp.
3588	Isaria farinosa	3658	Isaria farinosa	3728	Unidentified sp.
3589	Isaria farinosa	3659	Isaria farinosa	3729	Unidentified sp.
3590	Isaria fumosorosea	3660	Isaria fumosorosea	3730	Arthrobotrys musiformis
3591	Isaria farinosa	3661	Isaria farinosa	3731	Monacrosporium ellipsosporum
3592	Isaria farinosa	3662	Isaria fumosorosea	3732	Arthrobotrys oligospora
3593	Isaria farinosa	3663	Isaria fumosorosea	3733	Drechlerella dactyloides
3594	Isaria fumosorosea	3664	Isaria farinosa	3734	Beauveria bassiana
3595	Isaria farinosa	3665	Isaria farinosa	3735	Sterile mycelium
3596	Isaria farinosa	3666	Isaria farinosa	3736	Podonectria coccicola
3597	Isaria farinosa	3667	Beauveria bassiana	3737	Zoopthora radicans
3598	Isaria farinosa	3668	Fusarium sp.	3738	Metarhizium brunneum
3599	Isaria farinosa	3669	Fusarium sp.	3739	Unidentified sp.
3600	Lecanicillium muscarium	3670	Fusarium sp.	3740	Lecanicillium muscarium
3601	Lecanicillium muscarium	3671	Fusarium sp.	3741	Verticillium lecanii
3602	Entomophaga aulicae	3672	Fusarium sp.	3742	Verticillium lecanii
3603	Metarhizium guizhouense	3673	Fusarium sp.	3743	Verticillium lecanii
3604	Metarhizium pingshaense	3674	Fusarium sp.	3744	Hirsutella rhossiliensis
3605	Metarhizium anisopliae sensu lato	3675	Fusarium sp.	3745	Hirsutella rhossiliensis
3606	Metarhizium anisopliae var. acridum	3676	Fusarium sp.	3746	Hirsutella rhossiliensis
3607	Beauveria bassiana	3677	Fusarium sp.	3747	Hirsutella rhossiliensis
3608	Metarhizium robertsii	3678	Fusarium sp.	3748	Hirsutella rhossiliensis
3609	Metarhizium acridum	3679	Fusarium sp.	3750	Hirsutella rhossiliensis
3610	Metarhizium pingshaense	3680	Aphanocladium album	3751	Hirsutella rhossiliensis
3611	Metarhizium guizhouense	3681	Beauveria bassiana	3752	Hirsutella rhossiliensis
3612	Metarhizium acridum	3682	Isaria fumosorosea	3753	Hirsutella rhossiliensis
3613	Metarhizium sp.	3683	Lecanicillium lecanii	3754	Hirsutella rhossiliensis
3614	Metarhizium anisopliae var. acridum	3684	Lecanicillium muscarium	3755	Hirsutella rhossiliensis
3615	Metarhizium sp.	3685	Lecanicillium muscarium	3756	Hirsutella rhossiliensis
3616	Metarhizium sp.	3686	Lecanicillium muscarium	3757	Hirsutella rhossiliensis
3617	Metarhizium sp.	3687	Lecanicillium muscarium(?)	3758	Hirsutella rhossiliensis
3618	Metarhizium sp.	3688	Lecanicillium lecanii	3759	Hirsutella rhossiliensis
3619	Metarhizium anisopliae sensu lato	3689	Lecanicillium lecanii(?)	3760	Hirsutella rhossiliensis
3620	Beauveria bassiana	3690	Lecanicillium muscarium	3761	Hirsutella rhossiliensis
3621	Metarhizium anisopliae sensu stricto	3691	Lecanicillium muscarium	3762	Entomophaga maimaiga
3622	Beauveria bassiana	3692	Fusarium polyphialidicum	3763	Conidiobolus sp.
3623	Zoopthora radicans	3693	Fusarium polyphialidicum	3764	Basidiobolus sp.

3765	<i>Hirsutella rhossiliensis</i>	3848	<i>Isaria fumosorosea</i>	3945	Unidentified sp.
3766	Unidentified sp.	3849	Unidentified sp.	3947	Unidentified sp.
3767	<i>Metarhizium</i> sp.	3850	Unidentified sp.	3962	Unidentified sp.
3768	<i>Paecilomyces</i> sp.	3851	<i>Isaria fumosorosea</i>	3965	<i>Beauveria pseudobassiana</i>
3769	<i>Beauveria bassiana</i>	3852	<i>Isaria fumosorosea</i>	3966	<i>Beauveria bassiana</i>
3770	<i>Verticillium lecanii</i>	3853	<i>Paecilomyces</i> sp.	3967	<i>Beauveria bassiana</i>
3771	<i>Isaria farinosa</i>	3854	<i>Purpureocillium lilacinum</i>	3968	<i>Beauveria bassiana</i>
3772	<i>Paecilomyces</i> sp.	3855	<i>Paecilomyces marquandii</i>	3969	<i>Beauveria bassiana</i>
3773	Unidentified sp.	3856	Unidentified sp.	3970	<i>Beauveria bassiana</i>
3774	<i>Paecilomyces</i> sp.	3857	<i>Isaria fumosorosea</i>	3972	<i>Beauveria bassiana</i>
3775	<i>Paecilomyces</i> sp.	3858	<i>Beauveria bassiana</i>	3973	<i>Beauveria bassiana</i>
3776	<i>Isaria javanica</i>	3859	<i>Beauveria</i> sp.	3974	<i>Beauveria bassiana</i>
3777	<i>Paecilomyces</i> sp.	3860	Unidentified sp.	3975	<i>Beauveria bassiana</i>
3778	<i>Isaria javanica</i>	3861	<i>Lecanicillium muscarium</i>	3976	<i>Fusarium</i> sp.
3779	Unidentified sp.	3862	<i>Verticillium lecanii</i>	3977	<i>Beauveria bassiana</i>
3780	<i>Paecilomyces</i> sp.	3864	<i>Metarhizium brunneum</i>	3978	<i>Beauveria bassiana</i>
3781	<i>Paecilomyces</i> sp.	3866	<i>Beauveria bassiana</i>	3979	<i>Beauveria bassiana</i>
3782	<i>Paecilomyces</i> sp.	3867	<i>Beauveria bassiana</i>	3980	Unidentified sp.
3783	<i>Paecilomyces</i> sp.	3868	Sterile mycelium	3981	<i>Isaria javanica</i>
3784	<i>Paecilomyces</i> sp.	3869	Unidentified sp.	3983	<i>Isaria farinosa</i>
3785	<i>Paecilomyces</i> sp.	3870	<i>Paecilomyces</i> sp.	3990	Unidentified sp.
3786	<i>Paecilomyces</i> sp.	3871	<i>Paecilomyces</i> sp.	3991	Unidentified sp.
3787	<i>Paecilomyces</i> sp.	3872	<i>Paecilomyces</i> sp.	3992	Unidentified sp.
3788	<i>Paecilomyces</i> sp.	3873	<i>Paecilomyces</i> sp.	3993	Unidentified sp.
3790	<i>Tolypocladium inflatum</i>	3874	<i>Paecilomyces</i> sp.	3994	Unidentified sp.
3791	<i>Fusarium</i> sp.	3875	<i>Paecilomyces</i> sp.	3995	<i>Beauveria bassiana</i>
3792	<i>Cladosporium herbarum</i>	3876	Unidentified sp.	3996	<i>Beauveria bassiana</i>
3793	Unidentified sp.	3877	<i>Paecilomyces</i> sp.	3997	Unidentified sp.
3794	Unidentified sp.	3878	<i>Isaria fumosorosea</i>	3998	Unidentified sp.
3796	Unidentified sp.	3879	<i>Hirsutella rhossiliensis</i>	3999	<i>Beauveria bassiana</i>
3797	Unidentified sp.	3880	<i>Entomophaga maimaiga</i>	4000	Unidentified sp.
3798	Unidentified sp.	3881	<i>Verticillium lecanii</i>	4001	<i>Beauveria bassiana</i>
3799	Unidentified sp.	3882	<i>Lecanicillium lecanii</i> (?)	4002	<i>Fusarium</i> sp.
3800	<i>Isaria fumosorosea</i>	3883	<i>Lecanicillium lecanii</i> (?)	4003	Unidentified sp.
3801	Unidentified sp.	3884	<i>Lecanicillium lecanii</i> (?)	4004	<i>Entomophaga aulicae</i>
3802	Unidentified sp.	3887	<i>Entomophaga maimaiga</i>	4005	<i>Entomophaga aulicae</i>
3803	Unidentified sp.	3888	<i>Ophiocordyceps bisporus</i>	4006	<i>Entomophaga aulicae</i>
3804	Unidentified sp.	3889	<i>Isaria fumosorosea</i>	4007	<i>Entomophaga aulicae</i>
3805	Unidentified sp.	3890	<i>Beauveria bassiana</i>	4008	<i>Entomophaga aulicae</i>
3806	Unidentified sp.	3891	<i>Beauveria bassiana</i>	4009	Sterile mycelium
3807	Unidentified sp.	3892	<i>Beauveria bassiana</i>	4010	<i>Isaria farinosa</i>
3818	<i>Beauveria bassiana</i>	3894	Unidentified sp.	4011	<i>Fusarium</i> sp.
3819	<i>Beauveria bassiana</i>	3897	<i>Beauveria bassiana</i>	4012	<i>Beauveria bassiana</i>
3820	Unidentified / <i>Hyphomycetes</i>	3902	<i>Verticillium lecanii</i>	4013	<i>Beauveria bassiana</i>
3821	Unidentified sp.	3903	<i>Verticillium lecanii</i>	4014	<i>Beauveria bassiana</i>
3822	<i>Metarhizium anisopliae</i> sensu lato	3904	<i>Verticillium lecanii</i>	4015	<i>Beauveria bassiana</i>
3824	<i>Isaria fumosorosea</i>	3905	<i>Beauveria bassiana</i>	4016	<i>Beauveria bassiana</i>
3825	<i>Beauveria bassiana</i>	3906	<i>Beauveria bassiana</i>	4017	<i>Beauveria bassiana</i>
3826	<i>Metarhizium brunneum</i>	3907	<i>Beauveria bassiana</i>	4018	<i>Beauveria bassiana</i>
3827	<i>Metarhizium anisopliae</i> sensu lato	3908	<i>Beauveria bassiana</i>	4019	<i>Beauveria bassiana</i>
3828	<i>Entomophaga maimaiga</i>	3909	<i>Verticillium lecanii</i>	4020	<i>Metarhizium brunneum</i>
3829	<i>Entomophaga maimaiga</i>	3913	<i>Entomophaga maimaiga</i>	4021	<i>Beauveria bassiana</i>
3830	<i>Entomophaga maimaiga</i>	3916	<i>Fusarium polyphialidicum</i>	4022	<i>Verticillium lecanii</i>
3831	<i>Entomophaga maimaiga</i>	3917	<i>Isaria fumosorosea</i>	4023	<i>Beauveria bassiana</i>
3832	<i>Entomophaga maimaiga</i>	3918	<i>Metarhizium anisopliae</i> sensu lato	4024	<i>Beauveria brongniartii</i>
3833	<i>Entomophaga maimaiga</i>	3919	<i>Metarhizium anisopliae</i> sensu lato	4025	<i>Verticillium lecanii</i>
3834	<i>Entomophaga maimaiga</i>	3920	<i>Metarhizium anisopliae</i> sensu lato	4026	<i>Beauveria bassiana</i>
3835	<i>Entomophaga maimaiga</i>	3924	<i>Metarhizium anisopliae</i> sensu stricto	4027	<i>Beauveria</i> sp.
3836	<i>Lecanicillium muscarium</i>	3925	<i>Metarhizium robertsii</i>	4028	<i>Beauveria bassiana</i>
3837	<i>Lecanicillium muscarium</i>	3927	<i>Beauveria bassiana</i>	4029	<i>Isaria farinosa</i>
3838	<i>Lecanicillium muscarium</i>	3929	<i>Beauveria</i> sp.	4030	<i>Beauveria bassiana</i>
3839	<i>Lecanicillium muscarium</i>	3930	<i>Metarhizium anisopliae</i> sensu lato	4031	<i>Beauveria bassiana</i>
3840	<i>Verticillium lecanii</i>	3934	<i>Beauveria bassiana</i>	4032	<i>Beauveria bassiana</i>
3841	Unidentified sp.	3936	<i>Beauveria</i> sp.	4033	<i>Lecanicillium muscarium</i>
3842	Unidentified sp.	3937	<i>Beauveria bassiana</i>	4034	<i>Beauveria bassiana</i>
3843	<i>Isaria fumosorosea</i>	3938	<i>Isaria tenuipes</i>	4035	<i>Beauveria bassiana</i>
3844	Unidentified sp.	3939	<i>Isaria tenuipes</i>	4036	<i>Lecanicillium muscarium</i>
3845	Unidentified sp.	3940	<i>Nomuraea rileyi</i>	4037	Unidentified sp.
3846	<i>Purpureocillium lilacinum</i>	3943	Unidentified sp.	4038	<i>Beauveria bassiana</i>
3847	Unidentified sp.	3944	Unidentified sp.	4039	<i>Isaria farinosa</i>

4040	Isaria farinosa	4113	Beauveria bassiana	4184	Metarhizium anisopliae sensu lato
4041	Beauveria bassiana	4114	Beauveria bassiana	4185	Metarhizium anisopliae sensu lato
4043	Isaria farinosa	4115	Beauveria bassiana	4186	Metarhizium anisopliae sensu lato
4044	Isaria farinosa	4116	Beauveria bassiana	4187	Metarhizium anisopliae sensu lato
4045	Isaria farinosa	4117	Beauveria bassiana	4188	Metarhizium anisopliae sensu lato
4046	Beauveria bassiana	4118	Beauveria bassiana	4189	Metarhizium anisopliae sensu lato
4047	Verticillium lecanii	4119	Beauveria bassiana	4190	Metarhizium anisopliae sensu lato
4048	Verticillium lecanii	4120	Beauveria bassiana	4191	Metarhizium anisopliae sensu lato
4049	Beauveria bassiana	4121	Beauveria bassiana	4192	Metarhizium anisopliae sensu lato
4050	Lecanicillium longisporum	4123	Metarhizium robertsii	4193	Hirsutella sp.
4051	Beauveria bassiana	4124	Metarhizium frigidum	4194	Verticillium sp.
4052	Beauveria bassiana	4125	Metarhizium anisopliae sensu lato	4195	Verticillium sp.
4053	Beauveria bassiana	4126	Aspergillus flavus	4197	Beauveria sp.
4054	Beauveria bassiana	4127	Aspergillus tamarii	4200	Beauveria bassiana
4055	Beauveria bassiana	4128	Aspergillus parasiticus	4201	Unidentified sp.
4056	Beauveria bassiana	4129	Aspergillus parasiticus	4203	Verticillium sp.
4057	Beauveria bassiana	4130	Beauveria bassiana	4204	Unidentified sp.
4058	Acremonium sp.	4131	Metarhizium brunneum	4205	Isaria fumosorosea
4059	Acremonium sp.	4132	Metarhizium anisopliae sensu lato	4207	Aschersonia sp.
4060	Lecanicillium lecanii(?)	4133	Metarhizium anisopliae sensu lato	4208	Aschersonia sp.
4061	Verticillium lecanii	4134	Metarhizium anisopliae sensu lato	4209	Aschersonia aleyrodis
4062	Acremonium psamosporum	4135	Beauveria bassiana	4210	Aschersonia sp.
4063	Acremonium sp.	4136	Beauveria bassiana	4214	Unidentified sp.
4064	Verticillium lecanii	4137	Metarhizium anisopliae sensu lato	4215	Unidentified sp.
4065	Verticillium lecanii	4138	Metarhizium anisopliae sensu lato	4219	Metarhizium frigidum
4066	Mixed Culture sp.	4139	Metarhizium anisopliae sensu lato	4220	Metarhizium anisopliae sensu lato
4067	Verticillium lecanii	4140	Unidentified sp.	4221	Metarhizium flavoviride
4068		4141	Metarhizium anisopliae sensu lato	4222	Beauveria pseudobassiana
4069	Verticillium lecanii	4142	Metarhizium anisopliae sensu lato	4223	Penicillium sp.
4070	Verticillium lecanii	4143	Penicillium sp.	4224	Metarhizium anisopliae sensu lato
4071	Verticillium lecanii	4144	Penicillium sp.	4225	Metarhizium anisopliae sensu lato
4072	Verticillium lecanii	4145	Mixed Culture sp.	4226	Metarhizium anisopliae sensu lato
4073	Verticillium lecanii	4146	Penicillium sp.	4227	Metarhizium robertsii
4074	Verticillium sp.	4147	Unidentified sp.	4228	Metarhizium brunneum
4075	Verticillium lecanii	4148	Penicillium sp.	4229	Metarhizium anisopliae sensu lato
4076	Verticillium lecanii	4149	Beauveria amorpha	4230	Metarhizium anisopliae sensu lato
4077	Verticillium lecanii	4150	Beauveria pseudobassiana	4232	Metarhizium anisopliae sensu lato
4078		4151	Metarhizium anisopliae sensu lato	4233	Unidentified / Hyphomycetes
4079	Verticillium lecanii	4152	Metarhizium brunneum	4234	Metarhizium anisopliae sensu lato
4080	Ophiocordyceps variabilis	4153	Metarhizium guizhouense	4235	Metarhizium anisopliae sensu lato
4081	Cordyceps militaris	4154	Metarhizium lepidotae	4236	Metarhizium anisopliae sensu lato
4082	Cordyceps militaris	4155	Metarhizium anisopliae sensu lato	4237	Sterile mycelium
4083	Cordyceps militaris	4156	Metarhizium anisopliae sensu lato	4238	Fusarium sp.
4084	Cordyceps militaris	4157	Metarhizium anisopliae sensu lato	4239	Metarhizium anisopliae sensu lato
4085	Cordyceps militaris	4158	Metarhizium brunneum	4240	Beauveria pseudobassiana
4086	Cordyceps militaris	4159	Metarhizium anisopliae sensu lato	4241	Metarhizium robertsii
4087	Cordyceps militaris	4160	Metarhizium anisopliae sensu lato	4242	Metarhizium anisopliae sensu lato
4088	Cordyceps militaris	4161	Metarhizium anisopliae sensu lato	4243	Sterile mycelium
4089	Cordyceps militaris	4162	Metarhizium anisopliae sensu lato	4244	Metarhizium anisopliae sensu lato
4090	Isaria farinosa	4163	Metarhizium anisopliae sensu lato	4245	Mixed Culture sp.
4091	Beauveria bassiana	4164	Metarhizium brunneum	4246	Metarhizium anisopliae sensu lato
4092	Beauveria bassiana	4165	Metarhizium sp.	4247	Metarhizium anisopliae sensu lato
4093	Beauveria bassiana	4166	Metarhizium anisopliae sensu lato	4248	Metarhizium anisopliae sensu lato
4094	Nomuraea rileyi	4167	Metarhizium anisopliae sensu lato	4249	Metarhizium anisopliae sensu lato
4095	Metarhizium anisopliae sensu lato	4168	Metarhizium anisopliae sensu lato	4250	Metarhizium anisopliae sensu lato
4096	Isaria tenuipes	4169	Metarhizium anisopliae sensu lato	4251	Metarhizium brunneum
4097	Isaria amoenerosea	4170	Metarhizium anisopliae sensu lato	4252	Metarhizium anisopliae sensu lato
4098	Aschersonia sp.	4171	Metarhizium anisopliae sensu lato	4253	Metarhizium anisopliae sensu lato
4099	Beauveria bassiana	4172	Metarhizium anisopliae sensu lato	4254	Beauveria pseudobassiana
4100	Beauveria bassiana	4173	Metarhizium anisopliae sensu lato	4255	Metarhizium anisopliae sensu lato
4101	Beauveria bassiana	4174	Metarhizium anisopliae sensu lato	4256	Metarhizium anisopliae sensu lato
4103	Aschersonia aleyrodis	4175	Metarhizium anisopliae sensu lato	4257	Metarhizium anisopliae sensu lato
4104	Aschersonia aleyrodis	4176	Metarhizium anisopliae sensu lato	4258	Beauveria bassiana
4106	Beauveria bassiana	4177	Metarhizium anisopliae sensu lato	4259	Metarhizium anisopliae sensu lato
4107	Beauveria bassiana	4178	Metarhizium anisopliae sensu lato	4260	Mixed Culture sp.
4108	Beauveria bassiana	4179	Metarhizium brunneum	4261	Beauveria pseudobassiana
4109	Beauveria bassiana	4180	Metarhizium anisopliae sensu lato	4262	Metarhizium anisopliae sensu lato
4110	Beauveria bassiana	4181	Metarhizium anisopliae sensu lato	4263	Penicillium sp.
4111	Beauveria bassiana	4182	Penicillium sp.	4264	Metarhizium anisopliae sensu lato
4112	Beauveria bassiana	4183	Metarhizium anisopliae sensu lato	4265	Metarhizium anisopliae sensu lato

4266	<i>Metarhizium anisopliae</i> sensu lato	4336	<i>Metarhizium anisopliae</i> sensu lato	4407	<i>Isaria fumosorosea</i>
4267	<i>Metarhizium anisopliae</i> sensu lato	4337	<i>Metarhizium anisopliae</i> sensu lato	4408	<i>Isaria fumosorosea</i>
4268	<i>Metarhizium anisopliae</i> sensu lato	4338	<i>Metarhizium anisopliae</i> sensu lato	4409	<i>Isaria fumosorosea</i>
4269	<i>Metarhizium anisopliae</i> sensu lato	4339	<i>Metarhizium anisopliae</i> sensu lato	4410	<i>Isaria fumosorosea</i>
4270	<i>Metarhizium anisopliae</i> sensu lato	4340	<i>Metarhizium anisopliae</i> sensu lato	4411	<i>Isaria fumosorosea</i>
4271	<i>Beauveria pseudobassiana</i>	4341	<i>Metarhizium anisopliae</i> sensu lato	4412	<i>Isaria farinosa</i>
4272	<i>Metarhizium flavoviride</i>	4342	<i>Metarhizium pingshaense</i>	4413	<i>Isaria fumosorosea</i>
4273	<i>Beauveria pseudobassiana</i>	4343	<i>Metarhizium anisopliae</i> sensu lato	4414	<i>Isaria fumosorosea</i>
4274	<i>Beauveria pseudobassiana</i>	4344	<i>Metarhizium anisopliae</i> sensu lato	4415	<i>Isaria fumosorosea</i>
4275	<i>Metarhizium anisopliae</i> sensu lato	4345	<i>Metarhizium anisopliae</i> sensu lato	4416	<i>Verticillium lecanii</i>
4276	<i>Beauveria bassiana</i>	4346	<i>Metarhizium anisopliae</i> sensu lato	4417	<i>Verticillium lecanii</i>
4277	<i>Metarhizium frigidum</i>	4347	<i>Metarhizium anisopliae</i> sensu lato	4418	<i>Verticillium lecanii</i>
4278	<i>Metarhizium anisopliae</i> sensu lato	4348	<i>Metarhizium anisopliae</i> sensu lato	4419	<i>Verticillium lecanii</i>
4279	<i>Metarhizium anisopliae</i> sensu lato	4349	<i>Metarhizium anisopliae</i> sensu lato	4420	<i>Verticillium lecanii</i>
4280	<i>Metarhizium anisopliae</i> sensu lato	4350	<i>Metarhizium anisopliae</i> sensu lato	4421	<i>Verticillium lecanii</i>
4281	<i>Metarhizium anisopliae</i> sensu lato	4351	<i>Metarhizium anisopliae</i> sensu lato	4422	<i>Verticillium lecanii</i>
4282	<i>Metarhizium anisopliae</i> sensu lato	4352	<i>Metarhizium anisopliae</i> sensu lato	4423	<i>Verticillium lecanii</i>
4283	<i>Metarhizium anisopliae</i> sensu lato	4353	<i>Beauveria pseudobassiana</i>	4424	<i>Aschersonia</i> sp.
4284	<i>Metarhizium anisopliae</i> sensu lato	4354	<i>Metarhizium anisopliae</i> sensu lato	4426	<i>Aschersonia</i> sp.
4285	<i>Beauveria pseudobassiana</i>	4355	<i>Metarhizium anisopliae</i> sensu lato	4430	<i>Aschersonia</i> sp.
4286	<i>Metarhizium anisopliae</i> sensu lato	4356	<i>Beauveria pseudobassiana</i>	4431	<i>Aschersonia</i> sp.
4287	<i>Metarhizium anisopliae</i> sensu lato	4357	<i>Metarhizium anisopliae</i> sensu lato	4432	<i>Aschersonia</i> sp.
4288	<i>Metarhizium anisopliae</i> sensu lato	4358	<i>Microhilum oncoperae</i>	4433	<i>Aschersonia</i> sp.
4289	<i>Beauveria bassiana</i>	4359	<i>Aspergillus clavatus</i>	4434	<i>Aschersonia</i> sp.
4290	<i>Metarhizium anisopliae</i> sensu lato	4360	<i>Colletotrichum gloeosporioides</i>	4435	<i>Aschersonia</i> sp.
4291	<i>Metarhizium anisopliae</i> sensu lato	4361	<i>Cladosporium herbarum</i>	4436	<i>Aschersonia</i> sp.
4292	<i>Metarhizium anisopliae</i> sensu lato	4362	<i>Beauveria brongniartii</i>	4437	<i>Aschersonia</i> sp.
4293	<i>Metarhizium anisopliae</i> sensu lato	4363	<i>Beauveria brongniartii</i>	4438	<i>Aschersonia</i> sp.
4294	<i>Metarhizium frigidum</i>	4364	<i>Beauveria</i> sp.	4439	<i>Aschersonia</i> sp.
4295	<i>Metarhizium anisopliae</i> sensu lato	4365	<i>Beauveria</i> sp.	4440	<i>Aschersonia</i> sp.
4296	<i>Metarhizium anisopliae</i> sensu lato	4366	<i>Metarhizium pingshaense</i>	4441	<i>Aschersonia</i> sp.
4297	<i>Beauveria pseudobassiana</i>	4367	<i>Aspergillus</i> sp.	4442	<i>Aschersonia</i> sp.
4298	<i>Metarhizium anisopliae</i> sensu lato	4368	<i>Metarhizium</i> sp.	4443	<i>Aschersonia</i> sp.
4299	<i>Metarhizium anisopliae</i> sensu lato	4369	<i>Metarhizium</i> sp.	4444	<i>Aschersonia</i> sp.
4300	<i>Beauveria pseudobassiana</i>	4370	<i>Metarhizium</i> sp.	4445	<i>Aschersonia</i> sp.
4301	<i>Beauveria pseudobassiana</i>	4371	<i>Metarhizium</i> sp.	4448	<i>Aschersonia</i> sp.
4302	<i>Beauveria caledonica</i>	4372	<i>Metarhizium</i> sp.	4449	<i>Aschersonia</i> sp.
4303	<i>Metarhizium guizhouense</i>	4373	<i>Metarhizium</i> sp.	4450	<i>Metarhizium anisopliae</i> sensu lato
4304	<i>Metarhizium flavoviride</i>	4374	<i>Metarhizium</i> sp.	4452	<i>Paecilomyces</i> sp.
4305	<i>Beauveria bassiana</i>	4375	<i>Metarhizium</i> sp.	4453	<i>Verticillium lecanii</i>
4306	<i>Metarhizium anisopliae</i> sensu lato	4376	<i>Sterile mycelium</i>	4454	<i>Verticillium lecanii</i>
4307	<i>Metarhizium anisopliae</i> sensu lato	4377	<i>Beauveria bassiana</i>	4455	<i>Verticillium lecanii</i>
4308	<i>Metarhizium anisopliae</i> sensu lato	4378	<i>Beauveria bassiana</i>	4456	<i>Verticillium lecanii</i>
4309	<i>Metarhizium anisopliae</i> sensu lato	4379	<i>Beauveria bassiana</i>	4457	<i>Verticillium lecanii</i>
4310	<i>Metarhizium anisopliae</i> sensu lato	4380	<i>Beauveria brongniartii</i>	4458	<i>Beauveria brongniartii</i>
4311	<i>Metarhizium anisopliae</i> sensu lato	4381	<i>Beauveria brongniartii</i>	4459	<i>Isaria fumosorosea</i>
4312	<i>Metarhizium anisopliae</i> sensu lato	4382	<i>Beauveria bassiana</i>	4460	<i>Isaria fumosorosea</i>
4313	<i>Metarhizium anisopliae</i> sensu lato	4383	<i>Isaria fumosorosea</i>	4461	<i>Isaria fumosorosea</i>
4314	<i>Metarhizium anisopliae</i> sensu lato	4384	<i>Beauveria asiatica</i>	4462	<i>Beauveria bassiana</i>
4315	<i>Metarhizium anisopliae</i> sensu lato	4385	<i>Beauveria brongniartii</i>	4463	<i>Beauveria bassiana</i>
4316	<i>Metarhizium anisopliae</i> sensu lato	4386	<i>Beauveria brongniartii</i>	4464	<i>Beauveria bassiana</i>
4317	<i>Metarhizium anisopliae</i> sensu lato	4387	<i>Mixed Culture</i> sp.	4465	<i>Beauveria brongniartii</i>
4318	<i>Metarhizium anisopliae</i> sensu lato	4388	<i>Beauveria brongniartii</i>	4466	<i>Beauveria brongniartii</i>
4319	<i>Metarhizium anisopliae</i> sensu lato	4389	<i>Beauveria brongniartii</i>	4467	<i>Beauveria brongniartii</i>
4320	<i>Beauveria pseudobassiana</i>	4390	<i>Beauveria</i> sp.	4468	<i>Beauveria brongniartii</i>
4321	<i>Metarhizium guizhouense</i>	4391	<i>Beauveria</i> sp.	4469	<i>Beauveria brongniartii</i>
4322	<i>Metarhizium anisopliae</i> sensu lato	4392	<i>Beauveria</i> sp.	4470	<i>Beauveria brongniartii</i>
4323	<i>Metarhizium anisopliae</i> sensu lato	4393	<i>Beauveria</i> sp.	4471	<i>Beauveria brongniartii</i>
4324	<i>Metarhizium anisopliae</i> sensu lato	4394	<i>Beauveria</i> sp.	4472	<i>Beauveria brongniartii</i>
4325	<i>Metarhizium anisopliae</i> sensu lato	4395	<i>Beauveria</i> sp.	4473	<i>Beauveria brongniartii</i>
4326	<i>Beauveria pseudobassiana</i>	4396	<i>Beauveria</i> sp.	4474	<i>Beauveria asiatica</i>
4327	<i>Metarhizium anisopliae</i> sensu lato	4397	<i>Beauveria</i> sp.	4475	<i>Beauveria brongniartii</i>
4328	<i>Metarhizium anisopliae</i> sensu lato	4398	<i>Verticillium</i> sp.	4476	<i>Beauveria brongniartii</i>
4329	<i>Metarhizium anisopliae</i> sensu lato	4399	<i>Verticillium</i> sp.	4477	<i>Beauveria brongniartii</i>
4330	<i>Metarhizium anisopliae</i> sensu lato	4400	<i>Isaria fumosorosea</i>	4478	<i>Beauveria brongniartii</i>
4331	<i>Metarhizium anisopliae</i> sensu lato	4401	<i>Isaria fumosorosea</i>	4479	<i>Isaria fumosorosea</i>
4332	<i>Metarhizium anisopliae</i> sensu lato	4402	<i>Verticillium</i> sp.	4480	<i>Isaria fumosorosea</i>
4333	<i>Metarhizium anisopliae</i> sensu lato	4403	<i>Mixed Culture</i> sp.	4481	<i>Isaria fumosorosea</i>
4334	<i>Metarhizium anisopliae</i> sensu lato	4404	<i>Isaria fumosorosea</i>	4482	<i>Isaria fumosorosea</i>
4335	<i>Metarhizium anisopliae</i> sensu lato	4406	<i>Isaria fumosorosea</i>	4483	<i>Isaria fumosorosea</i>

4484	<i>Isaria fumosorosea</i>	4564	<i>Beauveria pseudobassiana</i>	4635	<i>Metarhizium anisopliae</i> sensu lato
4485	<i>Isaria fumosorosea</i>	4565	<i>Metarhizium anisopliae</i> sensu lato	4636	<i>Metarhizium anisopliae</i> sensu lato
4486	<i>Isaria fumosorosea</i>	4566	<i>Metarhizium majus</i>	4637	<i>Metarhizium anisopliae</i> sensu lato
4487	<i>Isaria fumosorosea</i>	4567	<i>Metarhizium anisopliae</i> sensu lato	4638	<i>Metarhizium anisopliae</i> sensu lato
4488	<i>Isaria fumosorosea</i>	4568	<i>Metarhizium anisopliae</i> sensu lato	4639	<i>Metarhizium anisopliae</i> sensu lato
4489	<i>Isaria fumosorosea</i>	4569	<i>Metarhizium anisopliae</i> sensu lato	4640	<i>Metarhizium anisopliae</i> sensu lato
4490	<i>Isaria fumosorosea</i>	4570	<i>Metarhizium anisopliae</i> sensu lato	4641	<i>Metarhizium anisopliae</i> sensu lato
4491	<i>Isaria fumosorosea</i>	4571	<i>Beauveria pseudobassiana</i>	4643	<i>Metarhizium anisopliae</i> sensu lato
4492	<i>Isaria fumosorosea</i>	4572	<i>Metarhizium anisopliae</i> sensu lato	4644	<i>Beauveria pseudobassiana</i>
4493	<i>Isaria fumosorosea</i>	4573	<i>Metarhizium anisopliae</i> sensu lato	4645	<i>Metarhizium anisopliae</i> sensu lato
4494	<i>Isaria fumosorosea</i>	4574	<i>Metarhizium anisopliae</i> sensu lato	4646	<i>Metarhizium anisopliae</i> sensu lato
4495	<i>Isaria fumosorosea</i>	4575	<i>Tolyocladium inflatum</i>	4647	<i>Metarhizium anisopliae</i> sensu lato
4496	<i>Isaria fumosorosea</i>	4576	<i>Metarhizium anisopliae</i> sensu lato	4648	<i>Metarhizium anisopliae</i> sensu lato
4497	<i>Isaria fumosorosea</i>	4577	<i>Metarhizium anisopliae</i> sensu lato	4649	<i>Metarhizium anisopliae</i> sensu lato
4498	<i>Isaria fumosorosea</i>	4578	<i>Metarhizium anisopliae</i> sensu lato	4650	<i>Metarhizium anisopliae</i> sensu lato
4499	<i>Isaria fumosorosea</i>	4579	<i>Metarhizium anisopliae</i> sensu lato	4651	<i>Metarhizium anisopliae</i> sensu lato
4501	<i>Isaria fumosorosea</i>	4580	<i>Beauveria australis</i>	4652	<i>Metarhizium anisopliae</i> sensu lato
4502	<i>Isaria fumosorosea</i>	4581	<i>Metarhizium anisopliae</i> sensu lato	4653	<i>Metarhizium anisopliae</i> sensu lato
4503	<i>Isaria fumosorosea</i>	4582	<i>Metarhizium anisopliae</i> sensu lato	4654	<i>Metarhizium anisopliae</i> sensu lato
4504	<i>Entomophaga maimaiga</i>	4583	<i>Beauveria pseudobassiana</i>	4655	<i>Metarhizium anisopliae</i> sensu lato
4505	<i>Entomophaga maimaiga</i>	4584	<i>Metarhizium anisopliae</i> sensu lato	4657	<i>Metarhizium anisopliae</i> sensu lato
4506	<i>Entomophaga maimaiga</i>	4585	<i>Metarhizium anisopliae</i> sensu lato	4658	<i>Beauveria pseudobassiana</i>
4507	<i>Entomophaga maimaiga</i>	4586	<i>Metarhizium anisopliae</i> sensu lato	4660	<i>Metarhizium lepidiotae</i>
4508	<i>Entomophaga maimaiga</i>	4587	<i>Metarhizium lepidiotae</i>	4661	<i>Metarhizium anisopliae</i> sensu lato
4509	<i>Entomophaga maimaiga</i>	4588	<i>Metarhizium guizhouense</i>	4663	<i>Metarhizium anisopliae</i> sensu lato
4510	<i>Entomophaga maimaiga</i>	4589	<i>Beauveria bassiana</i>	4664	<i>Metarhizium anisopliae</i> sensu lato
4511	<i>Hirsutella</i> sp.	4590	<i>Metarhizium anisopliae</i> sensu lato	4665	<i>Metarhizium anisopliae</i> sensu lato
4512	<i>Hirsutella versicolor</i>	4591	<i>Metarhizium anisopliae</i> sensu lato	4666	<i>Penicillium</i> sp.
4513	<i>Hirsutella</i> sp.	4592	<i>Metarhizium anisopliae</i> sensu lato	4668	<i>Metarhizium anisopliae</i> sensu lato
4514	<i>Hirsutella</i> sp.	4593	<i>Metarhizium anisopliae</i> sensu lato	4669	<i>Metarhizium anisopliae</i> sensu lato
4515	<i>Hirsutella</i> sp.	4594	<i>Metarhizium anisopliae</i> sensu lato	4670	<i>Beauveria pseudobassiana</i>
4517	<i>Hirsutella cryptosclerotium</i>	4595	<i>Metarhizium anisopliae</i> sensu lato	4671	<i>Metarhizium anisopliae</i> sensu lato
4518	<i>Ophiocordyceps bisporus</i>	4596	<i>Metarhizium anisopliae</i> sensu lato	4672	<i>Beauveria bassiana</i>
4519	<i>Lecanicillium flavidum</i>	4598	<i>Beauveria australis</i>	4673	<i>Metarhizium anisopliae</i> sensu lato
4520	<i>Zoophthora radicans</i>	4599	<i>Metarhizium anisopliae</i> sensu lato	4674	<i>Metarhizium anisopliae</i> sensu lato
4522	<i>Metarhizium anisopliae</i> sensu lato	4600	<i>Metarhizium anisopliae</i> sensu lato	4676	<i>Metarhizium anisopliae</i> sensu lato
4523	<i>Beauveria bassiana</i>	4601	<i>Metarhizium majus</i>	4677	<i>Metarhizium anisopliae</i> sensu lato
4524	<i>Beauveria bassiana</i>	4602	<i>Metarhizium anisopliae</i> sensu lato	4678	<i>Metarhizium anisopliae</i> sensu lato
4525	<i>Beauveria bassiana</i>	4603	<i>Metarhizium anisopliae</i> sensu lato	4680	<i>Metarhizium frigidum</i>
4526	<i>Beauveria bassiana</i>	4604	<i>Metarhizium guizhouense</i>	4681	<i>Metarhizium anisopliae</i> sensu lato
4527	<i>Beauveria bassiana</i>	4605	<i>Metarhizium acridum</i>	4682	<i>Metarhizium anisopliae</i> sensu lato
4528	<i>Beauveria bassiana</i>	4606	<i>Metarhizium anisopliae</i> sensu lato	4683	<i>Metarhizium anisopliae</i> sensu lato
4529	<i>Beauveria bassiana</i>	4607	<i>Beauveria bassiana</i>	4684	<i>Metarhizium anisopliae</i> sensu lato
4530	<i>Beauveria bassiana</i>	4608	<i>Metarhizium anisopliae</i> sensu lato	4685	<i>Beauveria bassiana</i>
4531	<i>Beauveria bassiana</i>	4609	<i>Metarhizium anisopliae</i> sensu lato	4687	<i>Metarhizium anisopliae</i> sensu lato
4532	<i>Beauveria bassiana</i>	4610	<i>Metarhizium pingshaense</i>	4688	<i>Beauveria bassiana</i>
4533	<i>Beauveria bassiana</i>	4611	<i>Beauveria pseudobassiana</i>	4689	Unidentified / <i>Hyphomycetes</i>
4534	<i>Beauveria bassiana</i>	4612	<i>Beauveria pseudobassiana</i>	4690	Unidentified / <i>Hyphomycetes</i>
4535	<i>Beauveria bassiana</i>	4613	<i>Metarhizium anisopliae</i> sensu lato	4691	<i>Beauveria bassiana</i>
4536	<i>Beauveria bassiana</i>	4614	<i>Metarhizium anisopliae</i> sensu lato	4692	<i>Beauveria bassiana</i>
4537	<i>Beauveria bassiana</i>	4615	<i>Metarhizium brunneum</i>	4693	<i>Beauveria bassiana</i>
4538	<i>Beauveria bassiana</i>	4616	<i>Beauveria bassiana</i>	4694	<i>Beauveria bassiana</i>
4539	<i>Beauveria bassiana</i>	4617	<i>Metarhizium anisopliae</i> sensu lato	4695	<i>Beauveria bassiana</i>
4540	<i>Beauveria bassiana</i>	4618	<i>Metarhizium anisopliae</i> sensu lato	4696	<i>Beauveria bassiana</i>
4543	<i>Beauveria bassiana</i>	4619	<i>Metarhizium anisopliae</i> sensu lato	4697	<i>Beauveria bassiana</i>
4545	<i>Entomophaga maimaiga</i>	4620	<i>Metarhizium anisopliae</i> sensu lato	4698	<i>Isaria fumosorosea</i>
4549	<i>Entomophaga maimaiga</i>	4621	<i>Metarhizium robertsii</i>	4699	<i>Isaria fumosorosea</i>
4550	<i>Entomophaga maimaiga</i>	4622	<i>Beauveria australis</i>	4700	<i>Isaria fumosorosea</i>
4551	<i>Entomophaga maimaiga</i>	4623	<i>Metarhizium anisopliae</i> sensu lato	4701	<i>Isaria fumosorosea</i>
4552	<i>Entomophaga maimaiga</i>	4624	<i>Metarhizium anisopliae</i> sensu lato	4702	<i>Isaria fumosorosea</i>
4553	<i>Entomophaga maimaiga</i>	4625	<i>Metarhizium anisopliae</i> sensu lato	4703	<i>Isaria fumosorosea</i>
4554	<i>Entomophaga maimaiga</i>	4626	<i>Metarhizium anisopliae</i> sensu lato	4704	<i>Isaria fumosorosea</i>
4555	<i>Entomophaga maimaiga</i>	4627	<i>Metarhizium anisopliae</i> sensu lato	4705	<i>Isaria fumosorosea</i>
4556	<i>Metarhizium anisopliae</i> sensu lato	4628	<i>Metarhizium robertsii</i>	4706	<i>Isaria fumosorosea</i>
4557	<i>Metarhizium anisopliae</i> sensu lato	4629	<i>Metarhizium anisopliae</i> sensu lato	4707	<i>Isaria fumosorosea</i>
4558	<i>Metarhizium anisopliae</i> sensu lato	4630	<i>Metarhizium anisopliae</i> sensu lato	4708	<i>Isaria fumosorosea</i>
4560	<i>Metarhizium anisopliae</i> sensu lato	4631	<i>Metarhizium anisopliae</i> sensu lato	4709	<i>Isaria fumosorosea</i>
4561	<i>Metarhizium frigidum</i>	4632	<i>Metarhizium anisopliae</i> sensu lato	4710	<i>Isaria fumosorosea</i>
4562	<i>Metarhizium anisopliae</i> sensu lato	4633	<i>Metarhizium anisopliae</i> sensu lato	4711	<i>Isaria fumosorosea</i>
4563	<i>Metarhizium anisopliae</i> sensu lato	4634	<i>Metarhizium anisopliae</i> sensu lato	4712	Sterile mycelium

4713	<i>Fusarium</i> sp.	4798	<i>Beauveria</i> <i>bassiana</i>	4873	<i>Cordyceps</i> <i>militaris</i>
4714	<i>Fusarium</i> sp.	4799	<i>Beauveria</i> <i>bassiana</i>	4874	<i>Cordyceps</i> <i>militaris</i>
4715	<i>Fusarium</i> sp.	4800	<i>Arthrobotrys</i> <i>cladodes</i> var. <i>macroides</i>	4875	<i>Cordyceps</i> sp.
4716	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4801	<i>Dactylella</i> <i>oxyspora</i>	4876	<i>Cordyceps</i> sp.
4717	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4802	<i>Monacrosporium</i> <i>thauwasium</i>	4877	<i>Tolypocladium</i> <i>inflatum</i>
4718	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4803	<i>Monacrosporium</i> <i>ellipsosporum</i>	4878	<i>Tolypocladium</i> <i>inflatum</i>
4719	<i>Metarhizium</i> <i>flavoviride</i> var. <i>flavoviride</i> ■	4804	<i>Arthrobotrys</i> <i>conoides</i>	4879	<i>Tolypocladium</i> <i>inflatum</i>
4720	<i>Metarhizium</i> <i>flavoviride</i> var. <i>flavoviride</i> ■	4805	<i>Monacrosporium</i> <i>elegans</i>	4880	<i>Tolypocladium</i> <i>inflatum</i>
4721	<i>Beauveria</i> <i>pseudobassiana</i>	4806	<i>Monacrosporium</i> <i>thauwasium</i>	4881	<i>Tolypocladium</i> <i>inflatum</i>
4722	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4807	<i>Monacrosporium</i> <i>elegans</i>	4882	<i>Tolypocladium</i> <i>inflatum</i>
4723	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4808	<i>Arthrobotrys</i> <i>amerospora</i>	4883	<i>Tolypocladium</i> <i>inflatum</i>
4724	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4809	<i>Arthrobotrys</i> <i>amerospora</i>	4884	<i>Tolypocladium</i> <i>inflatum</i>
4725	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4810	<i>Monacrosporium</i> <i>elegans</i>	4885	<i>Tolypocladium</i> <i>inflatum</i>
4726	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4811	<i>Gamsylella</i> <i>lobata</i>	4886	<i>Tolypocladium</i> <i>inflatum</i>
4727	<i>Metarhizium</i> <i>flavoviride</i> var. <i>flavoviride</i> ■	4813	<i>Monacrosporium</i> <i>psychrophilum</i>	4887	<i>Tolypocladium</i> <i>inflatum</i>
4729	<i>Metarhizium</i> <i>flavoviride</i> var. <i>flavoviride</i> ■	4815	<i>Arthrobotrys</i> <i>brochopaga</i>	4888	<i>Tolypocladium</i> <i>inflatum</i>
4730	<i>Metarhizium</i> <i>flavoviride</i> var. <i>flavoviride</i> ■	4817	<i>Gamsylella</i> <i>gephyropaga</i>	4889	<i>Tolypocladium</i> <i>inflatum</i>
4731	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4819	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4890	<i>Tolypocladium</i> <i>inflatum</i>
4732	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4820	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4891	<i>Tolypocladium</i> <i>inflatum</i>
4733	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4821	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4892	<i>Tolypocladium</i> <i>inflatum</i>
4734	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4822	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4893	<i>Tolypocladium</i> <i>inflatum</i>
4735	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4823	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4894	<i>Tolypocladium</i> <i>inflatum</i>
4736	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4824	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4895	<i>Tolypocladium</i> <i>inflatum</i>
4737	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4825	<i>Fusarium</i> sp.	4896	<i>Tolypocladium</i> <i>inflatum</i>
4738	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4826	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4897	<i>Tolypocladium</i> <i>inflatum</i>
4739	<i>Metarhizium</i> <i>robertsii</i>	4827	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4898	<i>Tolypocladium</i> <i>inflatum</i>
4740	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4828	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4899	Unidentified / <i>Hyphomycetes</i>
4741	<i>Beauveria</i> <i>pseudobassiana</i>	4829	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4900	Unidentified / <i>Hyphomycetes</i>
4742	<i>Paecilomyces</i> sp.	4830	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4901	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4743	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4831	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4902	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4744	<i>Beauveria</i> <i>bassiana</i>	4832	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4903	<i>Metarhizium</i> <i>robertsii</i>
4745	<i>Beauveria</i> <i>pseudobassiana</i>	4833	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4904	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4746	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4834	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4905	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4747	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4835	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4906	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4748	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4836	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4907	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4749	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4837	<i>Elaphocordyceps</i> <i>ophioglossoides</i>	4908	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4750	Sterile mycelium	4838	<i>Cordyceps</i> <i>militaris</i>	4909	<i>Beauveria</i> sp.
4751	<i>Phialophora</i> sp.	4839	<i>Cordyceps</i> <i>militaris</i>	4910	<i>Beauveria</i> sp.
4752	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4840	<i>Cordyceps</i> <i>militaris</i>	4911	<i>Beauveria</i> sp.
4753	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4841	<i>Cordyceps</i> <i>militaris</i>	4912	<i>Beauveria</i> sp.
4754	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4842	<i>Cordyceps</i> <i>militaris</i>	4913	<i>Beauveria</i> sp.
4755	<i>Beauveria</i> <i>malawiensis</i>	4843	<i>Ophiocordyceps</i> <i>bisporus</i>	4914	<i>Beauveria</i> sp.
4757	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4844	Unidentified sp.	4915	<i>Beauveria</i> sp.
4758	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4845	<i>Cordyceps</i> <i>militaris</i>	4916	<i>Beauveria</i> sp.
4759	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4846	<i>Cordyceps</i> sp.	4917	<i>Beauveria</i> sp.
4760	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4847	<i>Cordyceps</i> <i>militaris</i>	4918	<i>Beauveria</i> sp.
4761	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4848	<i>Cordyceps</i> sp.	4919	<i>Metarhizium</i> <i>robertsii</i>
4762	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4849	<i>Isaria</i> <i>amoerosea</i>	4920	<i>Beauveria</i> sp.
4763	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4850	<i>Beauveria</i> <i>asiatica</i>	4921	Unidentified / <i>Hyphomycetes</i>
4764	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4851	<i>Cordyceps</i> sp.	4922	Unidentified / <i>Hyphomycetes</i>
4765	<i>Metarhizium</i> <i>frigidum</i>	4852	<i>Cordyceps</i> sp.	4923	Unidentified / <i>Hyphomycetes</i>
4766	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4853	<i>Beauveria</i> sp.	4924	Unidentified / <i>Hyphomycetes</i>
4769	<i>Microhilum</i> <i>oncoperae</i>	4854	<i>Cordyceps</i> sp.	4925	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4770	<i>Microhilum</i> <i>oncoperae</i>	4855	<i>Cordyceps</i> sp.	4926	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4771	<i>Microhilum</i> <i>oncoperae</i>	4856	<i>Cordyceps</i> sp.	4927	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4772	<i>Tolypocladium</i> <i>inflatum</i>	4857	<i>Cordyceps</i> <i>militaris</i>	4928	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4773	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4858	<i>Polycephalomyces</i> <i>ramosus</i>	4929	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4774	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4859	Unidentified sp.	4930	<i>Metarhizium</i> <i>anisopliae</i> sensu lato
4776	<i>Hirsutella</i> sp.	4860	Unidentified sp.	4931	Unidentified / <i>Hyphomycetes</i>
4777	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4861	Unidentified sp.	4932	Unidentified / <i>Hyphomycetes</i>
4778	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4862	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4933	<i>Beauveria</i> <i>pseudobassiana</i>
4779	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4863	<i>Fusarium</i> sp.	4934	<i>Pandora</i> <i>neoaphidis</i>
4780	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4864	<i>Fusarium</i> sp.	4936	<i>Cordyceps</i> sp.
4781	<i>Zoophthora</i> <i>radicans</i>	4865	<i>Metarhizium</i> <i>anisopliae</i> sensu lato	4937	<i>Arthrobotrys</i> <i>brochopaga</i>
4782	<i>Zoophthora</i> <i>radicans</i>	4866	<i>Beauveria</i> <i>bassiana</i>	4938	<i>Arthrobotrys</i> <i>musiformis</i>
4783	<i>Zoophthora</i> <i>radicans</i>	4867	<i>Lecanicillium</i> <i>psalliotae</i> (?)	4939	<i>Arthrobotrys</i> <i>oligospora</i>
4784	<i>Zoophthora</i> <i>radicans</i>	4869	<i>Cordyceps</i> <i>militaris</i>	4940	<i>Arthrobotrys</i> <i>superba</i>
4785	<i>Zoophthora</i> <i>radicans</i>	4870	<i>Cordyceps</i> <i>roseostromata</i>	4941	<i>Geniculifera</i> <i>paucispora</i>
4795	<i>Cladosporium</i> sp.	4871	<i>Cordyceps</i> <i>roseostromata</i>	4942	<i>Hirsutella</i> <i>rhossiliensis</i>
4797	<i>Conidiobolus</i> <i>coronatus</i>	4872	<i>Cordyceps</i> <i>roseostromata</i>	4943	<i>Monacrosporium</i> <i>cionopagum</i>

4944	<i>Monacrosporium doedycoides</i>	5019	<i>Cordyceps militaris</i>	5093	<i>Paecilomyces</i> sp.
4945	<i>Monacrosporium eudematum</i>	5020	<i>Cordyceps militaris</i>	5094	<i>Paecilomyces</i> sp.
4946	<i>Monacrosporium parvicolle</i>	5021	<i>Cordyceps militaris</i>	5095	<i>Paecilomyces</i> sp.
4947	<i>Nematoctonus concurrens</i>	5022	<i>Cordyceps militaris</i>	5096	<i>Paecilomyces</i> sp.
4948	<i>Entomophaga macleodii</i>	5023	<i>Cordyceps militaris</i>	5097	<i>Paecilomyces</i> sp.
4949	<i>Entomophaga macleodii</i>	5024	<i>Cordyceps militaris</i>	5098	<i>Paecilomyces</i> sp.
4950	<i>Entomophaga macleodii</i>	5025	<i>Cordyceps militaris</i>	5099	<i>Paecilomyces</i> sp.
4951	<i>Entomophaga macleodii</i>	5026	<i>Cordyceps militaris</i>	5100	<i>Paecilomyces</i> sp.
4952	<i>Entomophaga macleodii</i>	5027	<i>Cordyceps militaris</i>	5101	<i>Paecilomyces</i> sp.
4953	<i>Entomophaga macleodii</i>	5028	<i>Cordyceps militaris</i>	5102	<i>Paecilomyces</i> sp.
4954	<i>Harposporium anguillulae</i>	5029	<i>Cordyceps militaris</i>	5103	<i>Paecilomyces</i> sp.
4955	<i>Drechslereia dactyloides</i>	5030	<i>Cordyceps militaris</i>	5104	<i>Paecilomyces</i> sp.
4956	<i>Fusarium</i> sp.	5031	<i>Cordyceps militaris</i>	5105	<i>Paecilomyces</i> sp.
4957	<i>Monacrosporium ellipsosporum</i>	5032	<i>Cordyceps militaris</i>	5106	<i>Paecilomyces</i> sp.
4959	<i>Monacrosporium ellipsosporum</i>	5033	<i>Cordyceps militaris</i>	5107	<i>Isaria fumosorosea</i>
4960	<i>Lecanicillium psalliotae</i>	5034	<i>Cordyceps militaris</i>	5108	<i>Paecilomyces</i> sp.
4962	<i>Fusarium</i> sp.	5035	<i>Cordyceps militaris</i>	5109	<i>Paecilomyces</i> sp.
4963	<i>Fusarium oxysporum</i>	5036	<i>Cordyceps militaris</i>	5110	<i>Paecilomyces</i> sp.
4964	<i>Fusarium oxysporum</i>	5037	<i>Cordyceps militaris</i>	5111	<i>Paecilomyces</i> sp.
4965	<i>Lecanicillium psalliotae</i>	5038	<i>Cordyceps militaris</i>	5112	<i>Paecilomyces</i> sp.
4966	<i>Monacrosporium cionopagum</i>	5039	<i>Cordyceps militaris</i>	5113	<i>Isaria fumosorosea</i>
4967	<i>Arthrobotrys oligospora</i>	5040	<i>Cordyceps militaris</i>	5114	<i>Paecilomyces</i> sp.
4968	<i>Conidiobolus thromboides</i>	5041	<i>Cordyceps militaris</i>	5115	<i>Isaria fumosorosea</i>
4969	<i>Fusarium</i> sp.	5042	<i>Cordyceps militaris</i>	5116	<i>Isaria fumosorosea</i>
4970	Unidentified / <i>Zygomycetes</i>	5043	<i>Cordyceps militaris</i>	5117	<i>Isaria fumosorosea</i>
4971	Unidentified / <i>Zygomycetes</i>	5044	<i>Cordyceps militaris</i>	5118	<i>Isaria fumosorosea</i>
4972	<i>Syngliocladium tetanopsis</i>	5045	<i>Cordyceps militaris</i>	5119	<i>Isaria fumosorosea</i>
4973	<i>Beauveria bassiana</i>	5046	<i>Cordyceps militaris</i>	5121	<i>Isaria fumosorosea</i>
4974	<i>Beauveria bassiana</i>	5047	<i>Cordyceps militaris</i>	5122	<i>Isaria fumosorosea</i>
4975	<i>Beauveria bassiana</i>	5048	<i>Cordyceps militaris</i>	5123	<i>Harposporium cerberi</i>
4976	<i>Beauveria bassiana</i>	5049	<i>Cordyceps militaris</i>	5126	<i>Lecanicillium longisporum</i>
4977	<i>Beauveria bassiana</i>	5050	<i>Cordyceps militaris</i>	5127	<i>Verticillium lecanii</i>
4978	<i>Beauveria bassiana</i>	5051	<i>Cordyceps militaris</i>	5128	<i>Lecanicillium muscarium</i>
4979	<i>Beauveria bassiana</i>	5052	<i>Cordyceps militaris</i>	5129	<i>Verticillium lecanii</i>
4981	<i>Beauveria bassiana</i>	5053	<i>Cordyceps militaris</i>	5130	<i>Verticillium lecanii</i>
4982	<i>Beauveria bassiana</i>	5054	<i>Cordyceps militaris</i>	5131	<i>Verticillium lecanii</i>
4983	<i>Beauveria bassiana</i>	5055	<i>Cordyceps militaris</i>	5132	<i>Verticillium lecanii</i>
4984	<i>Beauveria bassiana</i>	5056	<i>Cordyceps militaris</i>	5133	<i>Verticillium lecanii</i>
4985	<i>Paecilomyces</i> sp.	5057	<i>Cordyceps militaris</i>	5134	<i>Isaria tenuipes</i>
4986	<i>Paecilomyces</i> sp.	5058	<i>Cordyceps militaris</i>	5135	<i>Isaria tenuipes</i>
4987	<i>Paecilomyces</i> sp.	5059	<i>Cordyceps militaris</i>	5136	<i>Lecanicillium lecanii</i> (?)
4988	<i>Paecilomyces</i> sp.	5060	<i>Cordyceps militaris</i>	5137	<i>Lecanicillium lecanii</i> (?)
4989	<i>Paecilomyces</i> sp.	5061	<i>Cordyceps militaris</i>	5138	<i>Lecanicillium lecanii</i> (?)
4990	<i>Beauveria amorpha</i>	5062	<i>Cordyceps militaris</i>	5139	<i>Metarhizium</i> sp.
4992	<i>Beauveria brongniartii</i>	5064	<i>Beauveria bassiana</i>	5140	<i>Ascospaera duoformis</i>
4993	<i>Beauveria brongniartii</i>	5066	<i>Beauveria bassiana</i>	5141	<i>Ascospaera duoformis</i>
4994	<i>Beauveria brongniartii</i>	5067	<i>Beauveria bassiana</i>	5142	<i>Ascospaera apis</i>
4995	<i>Beauveria brongniartii</i>	5069	<i>Beauveria bassiana</i>	5143	<i>Ascospaera arienoides</i>
4997	<i>Metarhizium</i> sp.	5070	<i>Beauveria pseudobassiana</i>	5144	<i>Ascospaera flava</i>
4998	<i>Metarhizium</i> sp.	5071	<i>Beauveria bassiana</i>	5145	<i>Ascospaera subcuticulata</i>
4999	<i>Metarhizium</i> sp.	5072	<i>Beauveria bassiana</i>	5146	<i>Ascospaera solina</i>
5000	<i>Metarhizium</i> sp.	5073	<i>Isaria farinosa</i>	5147	<i>Ascospaera atra</i>
5001	<i>Metarhizium</i> sp.	5074	<i>Isaria farinosa</i>	5148	<i>Beauveria bassiana</i>
5002	<i>Cordyceps militaris</i>	5075	<i>Isaria farinosa</i>	5149	<i>Metarhizium robertsii</i>
5003	<i>Cordyceps militaris</i>	5076	<i>Metarhizium</i> sp.	5150	<i>Beauveria bassiana</i>
5004	<i>Cordyceps militaris</i>	5077	<i>Metarhizium</i> sp.	5151	<i>Ascospaera duoformis</i>
5005	<i>Cordyceps militaris</i>	5078	<i>Beauveria</i> sp.	5152	<i>Ascospaera duoformis</i>
5006	<i>Cordyceps militaris</i>	5080	<i>Isaria farinosa</i>	5153	<i>Verticillium lecanii</i>
5007	<i>Cordyceps militaris</i>	5081	<i>Isaria farinosa</i>	5154	<i>Isaria fumosorosea</i>
5008	<i>Cordyceps militaris</i>	5082	<i>Isaria farinosa</i>	5155	<i>Isaria fumosorosea</i>
5009	<i>Cordyceps militaris</i>	5083	<i>Isaria farinosa</i>	5156	<i>Isaria fumosorosea</i>
5010	<i>Cordyceps militaris</i>	5084	<i>Isaria farinosa</i>	5157	<i>Isaria fumosorosea</i>
5011	<i>Cordyceps militaris</i>	5085	<i>Isaria fumosorosea</i>	5158	<i>Isaria fumosorosea</i>
5012	<i>Cordyceps militaris</i>	5086	<i>Isaria fumosorosea</i>	5159	<i>Isaria fumosorosea</i>
5013	<i>Cordyceps militaris</i>	5087	<i>Isaria fumosorosea</i>	5160	<i>Paecilomyces</i> sp.
5014	<i>Cordyceps militaris</i>	5088	<i>Isaria fumosorosea</i>	5161	<i>Metarhizium anisopliae</i> sensu lato
5015	<i>Cordyceps militaris</i>	5089	<i>Isaria fumosorosea</i>	5162	<i>Conidiobolus coronatus</i>
5016	<i>Cordyceps militaris</i>	5090	<i>Isaria fumosorosea</i>	5163	<i>Ostracoderma</i> sp.
5017	<i>Cordyceps militaris</i>	5091	<i>Paecilomyces</i> sp.	5164	<i>Scopulariopsis</i> sp.
5018	<i>Cordyceps militaris</i>	5092	<i>Paecilomyces</i> sp.	5165	<i>Lecanicillium muscarium</i>

5166	<i>Verticillium lecanii</i>	5247	Unidentified / Hyphomycetes	5317	<i>Isaria fumosorosea</i>
5167	<i>Verticillium lecanii</i>	5248	Unidentified / Hyphomycetes	5318	<i>Isaria fumosorosea</i>
5168	<i>Verticillium lecanii</i>	5249	<i>Lecanicillium psalliotae</i>	5319	<i>Isaria fumosorosea</i>
5169	<i>Beauveria bassiana</i>	5250	<i>Verticillium epiphytum</i>	5320	<i>Isaria fumosorosea</i>
5170	<i>Beauveria bassiana</i>	5251	<i>Isaria fumosorosea</i>	5321	<i>Isaria javanica</i>
5171	<i>Beauveria bassiana</i>	5252	<i>Isaria fumosorosea</i>	5322	<i>Isaria fumosorosea</i>
5172	<i>Beauveria bassiana</i>	5253	<i>Isaria fumosorosea</i>	5323	<i>Isaria fumosorosea</i>
5173	<i>Beauveria bassiana</i>	5254	<i>Isaria fumosorosea</i>	5324	<i>Isaria fumosorosea</i>
5174	<i>Beauveria</i> sp.	5255	<i>Isaria fumosorosea</i>	5325	<i>Isaria fumosorosea</i>
5175	<i>Gliocladium</i> sp.	5256	<i>Isaria fumosorosea</i>	5326	<i>Isaria fumosorosea</i>
5176	<i>Trichoderma lignorum</i>	5257	<i>Isaria fumosorosea</i>	5327	<i>Isaria fumosorosea</i>
5178	<i>Isaria farinosa</i>	5258	<i>Isaria fumosorosea</i>	5328	<i>Isaria fumosorosea</i>
5179	<i>Paecilomyces</i> sp.	5259	<i>Isaria javanica</i>	5329	<i>Isaria fumosorosea</i>
5180	<i>Paecilomyces</i> sp.	5260	<i>Isaria fumosorosea</i>	5330	<i>Isaria fumosorosea</i>
5181	<i>Paecilomyces</i> sp.	5261	<i>Isaria fumosorosea</i>	5331	<i>Isaria fumosorosea</i>
5182	<i>Beauveria bassiana</i> (?)	5262	<i>Isaria fumosorosea</i>	5332	<i>Fusarium</i> sp.
5183	<i>Paecilomyces</i> sp.	5263	<i>Isaria fumosorosea</i>	5335	<i>Penicillium</i> sp.
5184	<i>Paecilomyces</i> sp.	5264	<i>Isaria fumosorosea</i>	5336	<i>Basidiobolus</i> sp.
5185	<i>Paecilomyces</i> sp.	5265	<i>Isaria fumosorosea</i>	5338	<i>Mariannaea elegans</i>
5186	<i>Beauveria</i> sp.	5266	<i>Isaria fumosorosea</i>	5339	<i>Beauveria bassiana</i>
5187	<i>Beauveria</i> sp.	5267	<i>Isaria fumosorosea</i>	5340	<i>Beauveria bassiana</i>
5188	Mixed Culture sp.	5268	<i>Isaria fumosorosea</i>	5341	<i>Beauveria bassiana</i>
5189	<i>Paecilomyces</i> sp.	5269	<i>Isaria fumosorosea</i>	5342	<i>Beauveria bassiana</i>
5190	<i>Paecilomyces</i> sp.	5270	<i>Isaria fumosorosea</i>	5343	<i>Beauveria bassiana</i>
5191	<i>Isaria farinosa</i>	5271	<i>Isaria fumosorosea</i>	5344	<i>Beauveria bassiana</i>
5192	<i>Paecilomyces</i> sp.	5272	<i>Isaria fumosorosea</i>	5345	<i>Beauveria bassiana</i>
5193	<i>Paecilomyces</i> sp.	5273	<i>Beauveria bassiana</i>	5346	<i>Beauveria bassiana</i>
5194	<i>Isaria farinosa</i>	5274	<i>Beauveria bassiana</i>	5347	<i>Beauveria bassiana</i>
5195	<i>Beauveria bassiana</i>	5275	<i>Beauveria bassiana</i>	5348	<i>Entomophthora schizophorae</i>
5197	<i>Metarhizium pingshaense</i>	5276	<i>Beauveria bassiana</i>	5349	<i>Mariannaea elegans</i>
5198	<i>Metarhizium brunneum</i>	5277	<i>Beauveria bassiana</i>	5350	<i>Mariannaea elegans</i>
5199	Unidentified / Hyphomycetes	5278	<i>Beauveria bassiana</i>	5351	
5200	<i>Smittium culisetae</i>	5279	<i>Beauveria bassiana</i>	5352	<i>Erynia</i> sp.
5201	<i>Neozygites floridana</i> (?)	5280	<i>Beauveria bassiana</i>	5353	<i>Polycephalomyces tomentosus</i>
5202	<i>Neozygites floridana</i> (?)	5281	<i>Beauveria bassiana</i>	5354	<i>Harposporium helicoides</i>
5205	<i>Aspergillus</i> sp.	5282	<i>Beauveria bassiana</i>	5355	<i>Beauveria brongniartii</i>
5208	<i>Nomuraea rileyi</i>	5283	<i>Beauveria bassiana</i>	5356	<i>Beauveria brongniartii</i>
5209	<i>Nomuraea rileyi</i>	5284	<i>Beauveria bassiana</i>	5357	<i>Beauveria brongniartii</i>
5210	<i>Nomuraea rileyi</i>	5285	<i>Beauveria bassiana</i>	5358	<i>Beauveria brongniartii</i>
5211	<i>Nomuraea rileyi</i>	5286	<i>Beauveria bassiana</i>	5359	<i>Beauveria brongniartii</i>
5212	<i>Nomuraea rileyi</i>	5287	<i>Beauveria bassiana</i>	5360	<i>Beauveria brongniartii</i>
5215	<i>Aschersonia</i> sp.	5288	<i>Beauveria bassiana</i>	5361	<i>Beauveria brongniartii</i>
5216	<i>Aschersonia</i> sp.	5289	<i>Beauveria bassiana</i>	5362	<i>Beauveria brongniartii</i>
5217	<i>Syngliocladium</i> sp.	5290	<i>Beauveria bassiana</i>	5363	<i>Beauveria brongniartii</i>
5218	<i>Tolypocladium lignicola</i>	5291	<i>Beauveria bassiana</i>	5364	<i>Beauveria brongniartii</i>
5219	<i>Fusarium</i> sp.	5292	<i>Beauveria bassiana</i>	5365	<i>Ophiocordyceps variabilis</i>
5220	<i>Lecanicillium muscarium</i>	5293	<i>Beauveria bassiana</i>	5366	<i>Ophiocordyceps variabilis</i>
5221	<i>Verticillium lecanii</i>	5294	<i>Beauveria bassiana</i>	5367	<i>Ophiocordyceps variabilis</i>
5222	<i>Sporodiniella umbellata</i>	5295	<i>Beauveria bassiana</i>	5368	<i>Isaria farinosa</i>
5223	Unidentified / Hyphomycetes	5296	<i>Beauveria bassiana</i>	5369	<i>Metarhizium anisopliae sensu lato</i>
5224	Unidentified / Hyphomycetes	5297	<i>Isaria fumosorosea</i>	5370	<i>Beauveria pseudobassiana</i>
5225	Unidentified / Hyphomycetes	5298	<i>Isaria fumosorosea</i>	5371	<i>Pandora neoaphidis</i>
5226	Unidentified / Hyphomycetes	5299	<i>Isaria fumosorosea</i>	5372	<i>Pandora neoaphidis</i>
5227	Unidentified / Hyphomycetes	5300	<i>Isaria fumosorosea</i>	5373	<i>Pandora neoaphidis</i>
5229	<i>Beauveria bassiana</i>	5301	<i>Isaria fumosorosea</i>	5374	<i>Pandora neoaphidis</i>
5230	<i>Beauveria bassiana</i>	5302	<i>Isaria fumosorosea</i>	5375	<i>Syspastospora parasitica</i>
5231	<i>Beauveria bassiana</i>	5303	<i>Isaria fumosorosea</i>	5376	<i>Neozygites floridana</i> (?)
5233	<i>Beauveria bassiana</i>	5304	<i>Isaria fumosorosea</i>	5377	<i>Entomophaga maimaiga</i>
5234	<i>Beauveria bassiana</i>	5305	<i>Isaria fumosorosea</i>	5378	<i>Entomophaga maimaiga</i>
5235	<i>Beauveria bassiana</i>	5306	<i>Isaria farinosa</i>	5379	<i>Entomophaga maimaiga</i>
5237	Unidentified / Hyphomycetes	5307	<i>Isaria fumosorosea</i>	5380	<i>Entomophaga maimaiga</i>
5238	Unidentified / Hyphomycetes	5308	<i>Isaria fumosorosea</i>	5381	<i>Entomophaga maimaiga</i>
5239	Unidentified / Hyphomycetes	5309	<i>Isaria fumosorosea</i>	5382	<i>Entomophaga maimaiga</i>
5240	Unidentified / Hyphomycetes	5310	<i>Isaria fumosorosea</i>	5383	<i>Entomophaga maimaiga</i>
5241	Unidentified / Hyphomycetes	5311	<i>Isaria fumosorosea</i>	5384	<i>Entomophaga maimaiga</i>
5242	Unidentified / Hyphomycetes	5312	<i>Isaria fumosorosea</i>	5385	<i>Entomophaga maimaiga</i>
5243	Unidentified / Hyphomycetes	5313	<i>Isaria fumosorosea</i>	5386	<i>Entomophaga maimaiga</i>
5244	Unidentified / Hyphomycetes	5314	<i>Isaria fumosorosea</i>	5387	<i>Entomophaga maimaiga</i>
5245	Unidentified / Hyphomycetes	5315	<i>Isaria fumosorosea</i>	5388	<i>Entomophaga maimaiga</i>
5246	Unidentified / Hyphomycetes	5316	<i>Isaria fumosorosea</i>	5389	<i>Entomophaga maimaiga</i>

5390 Entomophaga maimaiga	5459 Beauveria bassiana	5535 Beauveria bassiana
5391 Entomophaga maimaiga	5460 Beauveria bassiana	5536 Beauveria bassiana
5392 Entomophaga maimaiga	5461 Fusarium sp.	5537 Beauveria bassiana
5393 Entomophaga maimaiga	5462 Isaria fumosorosea	5538 Tolypocladium cylindrosporium
5394 Entomophaga maimaiga	5463 Isaria fumosorosea	5539 Hirsutella illustris
5395 Entomophaga maimaiga	5464 Isaria fumosorosea	5540 Isaria fumosorosea
5396 Entomophaga maimaiga	5465 Beauveria bassiana	5541 Furia gastropachae
5397 Entomophaga maimaiga	5466 Beauveria bassiana	5542 Furia gastropachae
5398 Entomophaga maimaiga	5467 Beauveria bassiana	5543 Furia gastropachae
5399 Entomophaga maimaiga	5469 Metarhizium anisopliae sensu lato	5544 Furia gastropachae
5400 Entomophaga maimaiga	5470 Aspergillus parasiticus	5545 Furia gastropachae
5401 Entomophaga maimaiga	5471 Metarhizium anisopliae sensu stricto	5546 Furia gastropachae
5402 Paecilomyces sp.	5472 Atricordyceps harposporifera	5547 Furia gastropachae
5403 Pandora neopaphidis	5473 Hirsutella nodulosa	5548 Isaria farinosa
5404 Conidiobolus sp.	5474 Hirsutella fusiformis	5549 Hirsutella necatrix
5405 Conidiobolus sp.	5475 Isaria fumosorosea	5550 Hirsutella kirchneri
5406 Conidiobolus sp.	5476 Isaria fumosorosea	5551 Hirsutella kirchneri
5407 Harposporium anguillulae	5477 Beauveria bassiana	5552 Batkoa apiculata
5408 Harposporium anguillulae	5478 Beauveria bassiana	5553 Beauveria bassiana
5409 Harposporium anguillulae	5479 Beauveria bassiana	5554 Metarhizium anisopliae sensu lato
5410 Harposporium sp.	5480 Beauveria bassiana	5555 Metarhizium anisopliae sensu lato
5411 Arthrobotrys oligospora	5481 Beauveria bassiana	5556 Metarhizium anisopliae sensu lato
5412 Hirsutella thompsonii var. syn-nematosa	5482 Beauveria bassiana	5557 Beauveria pseudobassiana
5413 Mariannaea pruinosa	5483 Beauveria bassiana	5558 Tolypocladium cylindrosporium
5414 Ophiocordyceps variabilis	5484 Beauveria bassiana	5559 Tolypocladium cylindrosporium
5415 Ophiocordyceps variabilis	5485 Beauveria bassiana	5560 Fusarium sp.
5416 Ophiocordyceps variabilis	5486 Beauveria bassiana	5561 Arthrobotrys oligospora
5417 Ophiocordyceps variabilis	5487 Beauveria bassiana	5562 Arthrobotrys oligospora
5418 Ophiocordyceps variabilis	5488 Beauveria bassiana	5563 Entomophaga maimaiga
5419 Ophiocordyceps variabilis	5489 Beauveria bassiana	5564 Entomophaga maimaiga
5420 Ophiocordyceps variabilis	5490 Beauveria bassiana	5565 Entomophaga maimaiga
5421 Ophiocordyceps variabilis	5491 Verticillium lecanii	5566 Entomophaga maimaiga
5422 Ophiocordyceps variabilis	5492 Beauveria bassiana	5567 Entomophaga maimaiga
5423 Ophiocordyceps variabilis	5493 Beauveria bassiana	5568 Entomophaga maimaiga
5424 Ophiocordyceps variabilis	5494 Beauveria bassiana	5569 Entomophaga maimaiga
5425 Ophiocordyceps variabilis	5495 Beauveria bassiana	5570 Entomophaga maimaiga
5426 Ophiocordyceps variabilis	5496 Beauveria bassiana	5571 Entomophaga maimaiga
5427 Ophiocordyceps variabilis	5497 Syngliocladium tetanopsis	5572 Entomophaga maimaiga
5428 Ophiocordyceps variabilis	5498 Ophiocordyceps aphodii	5573 Beauveria bassiana
5429 Ophiocordyceps variabilis	5499 Leptolegnia chapmanii	5574 Escovopsis sp.
5430 Smittium culisetae	5500 Beauveria bassiana	5575 Escovopsis aspergilloides
5431 Smittium culicis	5501 Beauveria bassiana	5576 Escovopsis weberi
5432 Smittium culicis	5502 Beauveria bassiana	5577 Syngliocladium tetanopsis
5433 Drechslerella dactyloides	5503 Aspergillus flavus(?)	5578 Lecanicillium fusisporum(?)
5434 Arthrobotrys thaumasia	5504 Aspergillus flavus(?)	5579 Lecanicillium fusisporum(?)
5435 Arthrobotrys haptotyla	5505 Aspergillus flavus(?)	5580 Lecanicillium lecanii(?)
5436 Beauveria bassiana	5506 Aspergillus flavus(?)	5581 Lecanicillium lecanii(?)
5437 Beauveria bassiana	5507 Aspergillus flavus(?)	5582 Lecanicillium psalliotae
5438 Beauveria bassiana	5508 Aspergillus flavus(?)	5583 Lecanicillium fusisporum
5439 Beauveria bassiana	5509 Aspergillus flavus(?)	5584 Lecanicillium lecanii(?)
5440 Beauveria bassiana	5510 Beauveria bassiana	5585 Lecanicillium lecanii(?)
5441 Beauveria bassiana	5513 Metarhizium anisopliae sensu lato	5586 Drechslerella dactyloides
5442 Beauveria bassiana	5514 Metarhizium anisopliae sensu lato	5587 Drechslerella dactyloides
5443 Beauveria bassiana	5515 Metarhizium anisopliae sensu lato	5588 Dactylaria candida
5444 Beauveria bassiana	5516 Metarhizium anisopliae sensu lato	5589 Dactylella aphrobrocha
5445 Beauveria bassiana	5517 Metarhizium anisopliae sensu lato	5590 Dactylella leptospora
5446 Beauveria bassiana	5518 Metarhizium anisopliae sensu lato	5591 Drechmeria coniospora
5447 Beauveria bassiana	5519 Metarhizium anisopliae sensu lato	5592 Drechmeria coniospora
5448 Beauveria bassiana	5520 Metarhizium anisopliae sensu lato	5593 Harposporium anguillulae
5449 Beauveria bassiana	5521 Metarhizium anisopliae sensu lato	5594 Harposporium anguillulae
5450 Beauveria bassiana	5525 Tolypocladium cylindrosporium	5595 Harposporium anguillulae
5451 Beauveria bassiana	5526 Tolypocladium cylindrosporium	5596 Harposporium arcuatum
5452 Beauveria bassiana	5527 Tolypocladium cylindrosporium	5597 Harposporium arcuatum
5453 Beauveria bassiana	5528 Tolypocladium cylindrosporium	5598 Harposporium arcuatum
5454 Beauveria bassiana	5529 Tolypocladium cylindrosporium	5599 Harposporium cycloides
5455 Beauveria bassiana	5530 Tolypocladium cylindrosporium	5600 Harposporium cycloides
5456 Beauveria bassiana	5531 Tolypocladium cylindrosporium	5601 Harposporium janus
5457 Beauveria bassiana	5532 Tolypocladium cylindrosporium	5602 Harposporium leptospira
5458 Beauveria bassiana	5533 Beauveria bassiana	5603 Harposporium leptospira
	5534 Beauveria bassiana	5604 Harposporium lilliputanum

5605	Harposporium subuliforme	5675	Isaria farinosa	5745	Beauveria bassiana
5606	Nematoctonus leiosporus	5676	Isaria farinosa	5746	Metarhizium anisopliae sensu lato
5607	Nematoctonus leptosporus	5677	Unidentified / Hyphomycetes	5747	Metarhizium acridum
5608	Plesiospora globosa	5678	Beauveria pseudobassiana	5748	Metarhizium acridum
5609	Rotiferophthora amamiensis	5679	Isaria farinosa	5749	Metarhizium anisopliae sensu lato
5610	Rotiferophthora angustispora	5680	Fusarium sp.	5750	Metarhizium acridum
5611	Rotiferophthora japonica	5681	Lecanicillium psalliotae	5751	Metarhizium brunneum
5612	Rotiferophthora lacrima	5682	Fusarium sp.	5752	Metarhizium anisopliae sensu lato
5613	Rotiferophthora minutispora	5683	Lecanicillium psalliotae	5753	Beauveria bassiana
5614	Rotiferophthora denticulospora	5684	Beauveria bassiana(?)	5754	Isaria farinosa
5615	Tolypocladium lignicola	5685	Lecanicillium psalliotae	5755	Fusarium sp.
5616	Pochonia microbactrospora	5686	Beauveria sp.	5756	Aphanocladium album
5617	Haptocillium balanoides	5687	Verticillium pseudohepiterigenum	5757	Fusarium sp.
5618	Haptocillium sinense	5688	Cordyceps isarioides	5758	Cylindrocarpon sp.
5619	Pochonia microbactrospora	5689	Beauveria sungii	5759	Lecanicillium lecanii
5620	Neozygites parvispora	5690	Cordyceps bifusispora	5760	Isaria farinosa
5621	Neozygites parvispora	5691	Cordyceps ochraceostromata	5761	Isaria farinosa
5622	Beauveria pseudobassiana	5692	Cordyceps agriota	5762	Beauveria bassiana
5623	Beauveria bassiana	5693	Cordyceps pruinosa	5763	Lecanicillium psalliotae
5624	Metarhizium anisopliae sensu lato	5694	Isaria fumosorosea	5764	Paraisaria dubia
5625	Metarhizium brunneum	5695	Unidentified / Hyphomycetes	5765	Pseudogibbellula formicarum
5626	Metarhizium brunneum	5696	Ophiocordyceps gracilioides	5766	Pseudogibbellula formicarum
5627	Isaria fumosorosea	5697	Beauveria sp.	5767	Beauveria bassiana
5628	Metarhizium anisopliae sensu lato	5698	Unidentified / Hyphomycetes	5768	Beauveria bassiana
5629	Beauveria bassiana	5699	Isaria farinosa	5769	Beauveria bassiana
5630	Beauveria bassiana	5700	Isaria tenuipes	5770	Beauveria bassiana
5631	Beauveria bassiana	5701	Duddingtonia flagrans	5771	Verticillium lecanii
5632	Beauveria bassiana	5702	Monacrosporium ellipsosporum	5772	Lecanicillium muscarium
5633	Beauveria bassiana	5703	Evlachovaea sp.	5773	Acremonium sp.
5634	Beauveria bassiana	5704	Beauveria bassiana	5774	Isaria farinosa
5635	Beauveria bassiana	5705	Beauveria bassiana	5775	Isaria farinosa
5636	Beauveria bassiana	5706	Lecanicillium lecanii	5776	Isaria farinosa
5637	Beauveria bassiana	5707	Pandora neoaphidis	5777	Lecanicillium muscarium(?)
5638	Beauveria bassiana	5708	Pandora neoaphidis	5778	Lecanicillium muscarium
5639	Beauveria bassiana	5709	Verticillium lecanii	5779	Lecanicillium muscarium
5640	Beauveria bassiana	5710	Verticillium lecanii	5780	Lecanicillium muscarium
5641	Beauveria bassiana	5711	Entomophaga maimaiga	5781	Verticillium lecanii
5642	Beauveria bassiana	5712	Conidiobolus sp.	5782	Lecanicillium muscarium
5643	Beauveria bassiana	5713	Verticillium sp.	5783	Verticillium lecanii
5644	Beauveria bassiana(?)	5714	Metarhizium guizhouense	5784	Isaria farinosa
5645	Beauveria bassiana	5715	Metarhizium anisopliae sensu lato	5785	Lecanicillium lecanii
5646	Beauveria bassiana	5716	Metarhizium anisopliae sensu lato	5786	Verticillium lecanii
5647	Beauveria bassiana	5717	Metarhizium anisopliae sensu lato	5787	Lecanicillium lecanii
5648	Beauveria bassiana	5718	Cordyceps staphylinidaecola	5788	Isaria farinosa
5649	Beauveria bassiana	5719	Metacordyceps yongmunensis	5789	Verticillium lecanii
5650	Beauveria bassiana	5720	Syngliocladium sp.	5790	Isaria farinosa
5651	Beauveria bassiana	5721	Aspergillus niger	5791	Lecanicillium muscarium
5652	Beauveria bassiana	5722	Aspergillus ochraceus	5792	Isaria farinosa
5653	Beauveria bassiana	5723		5793	Verticillium lecanii
5654	Beauveria bassiana	5724	Beauveria pseudobassiana	5794	Lecanicillium lecanii
5655	Beauveria bassiana	5725	Beauveria bassiana	5795	Lecanicillium muscarium
5656	Harposporium bysmatosporum	5726	Fusarium sp.	5796	Beauveria bassiana
5657	Harposporium subuliforme	5727	Fusarium sp.	5797	Isaria farinosa
5658	Harposporium dicorymbum	5728	Fusarium sp.	5798	Lecanicillium muscarium
5659	Harposporium anguillulae	5729	Candida sp.	5799	Isaria farinosa
5660	Dactylella heterospora	5730	Trichoderma sp.	5800	Isaria farinosa
5661	Dactylella doedycoides	5731	Pythium sp.	5801	Isaria farinosa
5662	Dactylaria brochopaga	5732	Pythium sp.	5802	Isaria farinosa
5663	Nematoctonus sp.	5733	Penicillium sp.	5803	Fusarium sp.
5664	Synnematium jonesii	5734	Metarhizium anisopliae var. acridum	5804	Cordyceps militaris
5665	Beauveria bassiana	5735	Metarhizium acridum	5805	Purpureocillium lilacinum
5666	Lecanicillium psalliotae	5736	Metarhizium acridum	5806	Isaria javanica
5667	Beauveria bassiana	5737	Beauveria bassiana	5807	Beauveria bassiana
5668	Beauveria pseudobassiana	5738	Beauveria bassiana	5808	Beauveria bassiana
5669	Beauveria pseudobassiana	5739	Drechmeria coniospora	5809	Verticillium lecanii
5670	Beauveria bassiana	5740	Beauveria bassiana	5810	Batkoa sp.
5671	Beauveria bassiana	5741	Beauveria bassiana	5811	Entomophthora culicis
5672	Beauveria bassiana	5742	Beauveria bassiana	5812	Pandora sp.
5673	Beauveria bassiana	5743	Beauveria bassiana	5813	Beauveria bassiana
5674	Beauveria bassiana	5744	Beauveria bassiana	5814	Zoopthora radicans

5815	<i>Beauveria bassiana</i> (?)	5885	<i>Isaria farinosa</i>	5955	<i>Entomophthora syrphi</i>
5816	<i>Beauveria bassiana</i> (?)	5886	<i>Beauveria bassiana</i>	5956	<i>Beauveria bassiana</i>
5817	<i>Beauveria bassiana</i> (?)	5887	<i>Beauveria bassiana</i>	5957	<i>Beauveria bassiana</i>
5818	<i>Beauveria bassiana</i> (?)	5888	<i>Beauveria bassiana</i>	5958	<i>Beauveria bassiana</i>
5819	Sterile mycelium	5889	<i>Basidiobolus ranarum</i>	5959	<i>Beauveria bassiana</i> (?)
5820	<i>Verticillium lecanii</i>	5890	<i>Basidiobolus ranarum</i>	5960	<i>Beauveria bassiana</i>
5821	<i>Verticillium lecanii</i>	5891	<i>Basidiobolus ranarum</i>	5961	<i>Beauveria bassiana</i>
5822	<i>Lecanicillium muscarium</i>	5892	<i>Basidiobolus ranarum</i>	5962	<i>Beauveria bassiana</i>
5823	<i>Geotrichum</i> (?) sp.	5893	<i>Basidiobolus ranarum</i>	5963	<i>Beauveria bassiana</i>
5824	<i>Verticillium lecanii</i>	5894	<i>Basidiobolus ranarum</i>	5964	<i>Beauveria bassiana</i>
5825	<i>Fusarium</i> sp.	5895	<i>Basidiobolus ranarum</i>	5965	<i>Beauveria bassiana</i>
5826	<i>Isaria farinosa</i>	5896	<i>Basidiobolus ranarum</i>	5966	<i>Beauveria bassiana</i>
5827	<i>Isaria farinosa</i>	5897	<i>Basidiobolus ranarum</i>	5967	<i>Beauveria bassiana</i>
5828	<i>Lecanicillium muscarium</i>	5898	<i>Basidiobolus ranarum</i>	5968	<i>Beauveria bassiana</i>
5829	<i>Lecanicillium lecanii</i>	5899	<i>Basidiobolus ranarum</i>	5969	<i>Beauveria bassiana</i>
5830	<i>Isaria farinosa</i>	5900	<i>Basidiobolus ranarum</i>	5970	<i>Beauveria bassiana</i>
5831	<i>Beauveria</i> sp.	5901	<i>Basidiobolus ranarum</i>	5971	<i>Beauveria bassiana</i>
5832	<i>Beauveria</i> sp.	5902	<i>Basidiobolus ranarum</i>	5972	<i>Beauveria bassiana</i>
5833	<i>Beauveria</i> sp.	5903	<i>Basidiobolus ranarum</i>	5973	<i>Beauveria bassiana</i>
5834	<i>Isaria farinosa</i>	5904	<i>Basidiobolus ranarum</i>	5974	<i>Beauveria bassiana</i>
5835	<i>Lecanicillium psalliotae</i>	5905	<i>Basidiobolus ranarum</i>	5975	<i>Beauveria bassiana</i> (?)
5836	<i>Beauveria bassiana</i>	5906	<i>Basidiobolus ranarum</i>	5976	<i>Beauveria bassiana</i> (?)
5837	<i>Metarhizium anisopliae</i> sensu lato	5907	<i>Basidiobolus ranarum</i>	5977	<i>Beauveria bassiana</i>
5838	<i>Beauveria bassiana</i>	5908	<i>Basidiobolus ranarum</i>	5978	<i>Beauveria bassiana</i>
5839	<i>Beauveria bassiana</i>	5909	<i>Basidiobolus ranarum</i>	5979	<i>Beauveria bassiana</i>
5840	<i>Beauveria bassiana</i>	5910	<i>Basidiobolus ranarum</i>	5980	<i>Beauveria bassiana</i>
5841	<i>Metarhizium anisopliae</i> sensu lato	5911	<i>Basidiobolus ranarum</i>	5981	<i>Beauveria bassiana</i>
5842	<i>Metarhizium anisopliae</i> sensu lato	5912	<i>Basidiobolus ranarum</i>	5982	<i>Beauveria bassiana</i>
5843	<i>Beauveria bassiana</i>	5913	<i>Basidiobolus ranarum</i>	5983	<i>Beauveria bassiana</i>
5844	<i>Isaria fumosorosea</i>	5914	<i>Basidiobolus ranarum</i>	5984	<i>Beauveria bassiana</i>
5845	<i>Isaria fumosorosea</i>	5915	<i>Basidiobolus ranarum</i>	5985	<i>Beauveria bassiana</i>
5846	<i>Isaria fumosorosea</i>	5916	<i>Basidiobolus ranarum</i>	5986	<i>Beauveria bassiana</i>
5847	<i>Isaria fumosorosea</i>	5917	<i>Basidiobolus ranarum</i>	5987	<i>Beauveria bassiana</i>
5848	<i>Metarhizium anisopliae</i> sensu lato	5918	<i>Basidiobolus ranarum</i>	5988	<i>Beauveria bassiana</i>
5849	<i>Verticillium lecanii</i>	5919	<i>Basidiobolus ranarum</i>	5989	<i>Beauveria bassiana</i>
5850	<i>Metarhizium anisopliae</i> sensu lato	5920	<i>Basidiobolus ranarum</i>	5990	<i>Beauveria bassiana</i> (?)
5851	<i>Metarhizium anisopliae</i> sensu lato	5921	<i>Basidiobolus ranarum</i>	5991	<i>Beauveria bassiana</i>
5852	<i>Verticillium lecanii</i>	5922	<i>Basidiobolus ranarum</i>	5992	<i>Conidiobolus obscurus</i>
5853	<i>Beauveria bassiana</i>	5923	<i>Basidiobolus ranarum</i>	5993	<i>Conidiobolus osmodes</i> (?)
5854	<i>Verticillium lecanii</i>	5924	<i>Basidiobolus ranarum</i>	5994	<i>Batkoa apiculata</i>
5855	<i>Isaria fumosorosea</i>	5925	<i>Basidiobolus ranarum</i>	5995	<i>Pandora neoaphidis</i>
5856	<i>Verticillium lecanii</i>	5926	<i>Basidiobolus ranarum</i>	5996	<i>Isaria farinosa</i>
5857	<i>Beauveria bassiana</i>	5927	<i>Basidiobolus ranarum</i>	5997	<i>Beauveria bassiana</i>
5858	<i>Isaria farinosa</i>	5928	<i>Basidiobolus ranarum</i>	5998	<i>Aphanocladium album</i>
5859	<i>Verticillium lecanii</i>	5929	<i>Basidiobolus ranarum</i>	5999	<i>Calcarisporium arbuscula</i>
5860	<i>Isaria fumosorosea</i>	5930	<i>Basidiobolus ranarum</i>	6000	<i>Conidiobolus thromboides</i>
5861	<i>Beauveria bassiana</i>	5931	<i>Basidiobolus ranarum</i>	6001	<i>Conidiobolus thromboides</i>
5862	<i>Beauveria bassiana</i>	5932	<i>Basidiobolus ranarum</i>	6002	<i>Engyodontium album</i>
5863	<i>Beauveria bassiana</i>	5933	<i>Basidiobolus ranarum</i>	6003	<i>Zoophtora radicans</i>
5864	<i>Beauveria bassiana</i>	5934	<i>Basidiobolus ranarum</i>	6004	<i>Entomophaga maimaiga</i>
5865	<i>Beauveria bassiana</i>	5935	<i>Basidiobolus ranarum</i>	6005	<i>Entomophaga maimaiga</i>
5866	<i>Beauveria bassiana</i>	5936	<i>Basidiobolus ranarum</i>	6006	<i>Entomophaga maimaiga</i>
5867	<i>Beauveria pseudobassiana</i>	5937	<i>Basidiobolus ranarum</i>	6007	<i>Entomophaga maimaiga</i>
5868	<i>Entomophthora thripidum</i>	5938	<i>Basidiobolus ranarum</i>	6008	<i>Beauveria bassiana</i>
5869	<i>Furia gastropachae</i>	5939	<i>Basidiobolus ranarum</i>	6009	<i>Beauveria bassiana</i>
5870	<i>Furia gastropachae</i>	5940	<i>Basidiobolus ranarum</i>	6010	<i>Lecanicillium lecanii</i>
5871	<i>Furia gastropachae</i>	5941	<i>Basidiobolus ranarum</i>	6011	<i>Beauveria bassiana</i>
5872	<i>Furia gastropachae</i>	5942	<i>Basidiobolus ranarum</i>	6012	<i>Isaria farinosa</i>
5873	<i>Metarhizium robertsii</i>	5943	<i>Basidiobolus ranarum</i>	6013	<i>Beauveria bassiana</i>
5874	<i>Isaria fumosorosea</i>	5944	<i>Basidiobolus ranarum</i>	6014	<i>Beauveria bassiana</i>
5875	<i>Fusarium</i> sp.	5945	<i>Basidiobolus ranarum</i>	6015	<i>Beauveria pseudobassiana</i>
5876	<i>Purpureocillium lilacinum</i>	5946	<i>Basidiobolus ranarum</i>	6016	<i>Beauveria bassiana</i>
5877	<i>Purpureocillium lilacinum</i>	5947	<i>Basidiobolus ranarum</i>	6017	<i>Isaria farinosa</i>
5878	<i>Fusarium</i> sp.	5948	<i>Basidiobolus ranarum</i>	6018	<i>Purpureocillium lilacinum</i>
5879	<i>Fusarium</i> sp.	5949	<i>Basidiobolus ranarum</i>	6019	<i>Beauveria bassiana</i>
5880	<i>Purpureocillium lilacinum</i>	5950	<i>Basidiobolus ranarum</i>	6020	<i>Isaria farinosa</i>
5881	<i>Fusarium</i> sp.	5951	<i>Basidiobolus ranarum</i>	6021	<i>Purpureocillium lilacinum</i>
5882	<i>Purpureocillium lilacinum</i>	5952	<i>Entomophthora muscae</i>	6022	<i>Beauveria pseudobassiana</i>
5883	<i>Isaria farinosa</i>	5953	<i>Entomophthora muscae</i>	6023	<i>Beauveria brongniartii</i>
5884	<i>Isaria farinosa</i>	5954	<i>Entomophthora muscae</i>	6024	<i>Purpureocillium lilacinum</i>

6025	<i>Verticillium lecanii</i>	6095	<i>Beauveria bassiana</i>	6167	<i>Metarhizium anisopliae</i> sensu lato
6026	<i>Purpureocillium lilacinum</i>	6096	<i>Beauveria bassiana</i>	6168	<i>Entomophaga maimaiga</i>
6027	<i>Beauveria bassiana</i>	6097	<i>Isaria farinosa</i>	6169	<i>Entomophaga maimaiga</i>
6028	<i>Isaria farinosa</i>	6098	<i>Isaria farinosa</i>	6170	<i>Entomophaga maimaiga</i>
6029	<i>Isaria farinosa</i>	6099	<i>Beauveria bassiana</i>	6171	<i>Entomophaga maimaiga</i>
6030	<i>Isaria farinosa</i>	6100	<i>Beauveria bassiana</i>	6172	<i>Entomophaga maimaiga</i>
6031	<i>Isaria farinosa</i>	6101	<i>Beauveria bassiana</i>	6173	<i>Entomophaga maimaiga</i>
6032	<i>Isaria farinosa</i>	6102	<i>Fusarium</i> sp.	6174	<i>Entomophaga maimaiga</i>
6033	<i>Isaria farinosa</i>	6103	<i>Phycomyces blakesleeanus</i>	6175	<i>Ramicandelaber longisporus</i>
6034	<i>Isaria farinosa</i>	6104	<i>Phycomyces blakesleeanus</i>	6176	<i>Ramicandelaber longisporus</i>
6035	<i>Lecanicillium muscarium</i>	6105	<i>Entomophaga maimaiga</i>	6177	<i>Beauveria bassiana</i>
6036	<i>Isaria farinosa</i>	6106	<i>Entomophaga maimaiga</i>	6178	<i>Beauveria bassiana</i>
6037	<i>Isaria farinosa</i>	6109	<i>Beauveria bassiana</i>	6179	<i>Batkoa</i> sp.
6038	<i>Isaria farinosa</i>	6110	<i>Purpureocillium lilacinum</i>	6180	<i>Ophiocordyceps myrmecophila</i>
6039	<i>Beauveria bassiana</i>	6111	<i>Beauveria bassiana</i>	6181	<i>Beauveria pseudobassiana</i>
6040	<i>Beauveria bassiana</i>	6112	<i>Beauveria bassiana</i>	6182	<i>Beauveria bassiana</i>
6041	<i>Beauveria bassiana</i>	6113	<i>Beauveria bassiana</i>	6183	<i>Purpureocillium lilacinum</i>
6042	<i>Beauveria bassiana</i>	6114	<i>Purpureocillium lilacinum</i>	6184	<i>Beauveria bassiana</i>
6043	<i>Beauveria pseudobassiana</i>	6115	<i>Beauveria bassiana</i>	6185	<i>Beauveria pseudobassiana</i>
6044	<i>Isaria farinosa</i>	6116	<i>Purpureocillium lilacinum</i>	6186	<i>Beauveria bassiana</i>
6045	<i>Verticillium lecanii</i>	6117	<i>Purpureocillium lilacinum</i>	6187	<i>Beauveria bassiana</i>
6046	<i>Verticillium lecanii</i>	6118	<i>Lecanicillium muscarium</i>	6188	<i>Purpureocillium lilacinum</i>
6047	<i>Verticillium lecanii</i>	6119	Unidentified / <i>Zygomycetes</i>	6189	<i>Beauveria bassiana</i>
6048	<i>Isaria farinosa</i>	6120	<i>Metarhizium brunneum</i>	6190	<i>Purpureocillium lilacinum</i>
6049	<i>Isaria farinosa</i>	6121	<i>Entomophthora muscae</i>	6191	<i>Beauveria bassiana</i>
6050	<i>Verticillium lecanii</i>	6122	<i>Entomophthora muscae</i>	6192	<i>Isaria fumosorosea</i>
6051	<i>Entomophaga maimaiga</i>	6123	<i>Entomophthora muscae</i>	6193	<i>Paecilomyces</i> sp.
6052	<i>Entomophaga maimaiga</i>	6124	<i>Entomophthora muscae</i>	6194	<i>Beauveria bassiana</i>
6053	<i>Entomophaga maimaiga</i>	6125	<i>Entomophthora muscae</i>	6195	<i>Beauveria bassiana</i>
6054	<i>Entomophaga maimaiga</i>	6126	<i>Entomophthora muscae</i>	6196	<i>Beauveria bassiana</i>
6055	<i>Beauveria bassiana</i>	6127	<i>Entomophthora muscae</i>	6197	<i>Purpureocillium lilacinum</i>
6056	<i>Beauveria bassiana</i>	6128	<i>Entomophthora muscae</i>	6198	<i>Paecilomyces</i> sp.
6057	<i>Beauveria bassiana</i>	6129	<i>Entomophthora muscae</i>	6199	<i>Beauveria bassiana</i>
6058	<i>Beauveria bassiana</i>	6130	<i>Entomophthora muscae</i>	6200	<i>Isaria farinosa</i>
6059	<i>Beauveria bassiana</i>	6131	<i>Entomophthora muscae</i>	6201	<i>Beauveria bassiana</i>
6060	<i>Beauveria bassiana</i>	6132	<i>Entomophthora muscae</i>	6202	<i>Isaria farinosa</i>
6061	<i>Beauveria bassiana</i>	6133	<i>Entomophthora muscae</i>	6203	<i>Isaria fumosorosea</i>
6062	<i>Beauveria bassiana</i>	6134	<i>Entomophthora muscae</i>	6204	<i>Isaria fumosorosea</i>
6063	<i>Beauveria bassiana</i>	6135	<i>Entomophthora muscae</i>	6205	<i>Beauveria bassiana</i>
6064	<i>Beauveria bassiana</i>	6136	<i>Entomophthora muscae</i>	6206	<i>Isaria fumosorosea</i>
6065	<i>Beauveria bassiana</i>	6137	<i>Entomophthora schizophorae</i>	6207	<i>Isaria farinosa</i>
6066	<i>Beauveria bassiana</i>	6138	<i>Entomophthora schizophorae</i>	6208	<i>Beauveria bassiana</i>
6067	<i>Beauveria bassiana</i>	6139	<i>Entomophthora schizophorae</i>	6209	<i>Beauveria bassiana</i>
6068	<i>Verticillium lecanii</i>	6140	<i>Entomophthora muscae</i>	6210	<i>Batkoa</i> sp.
6069	<i>Beauveria bassiana</i>	6141	<i>Entomophthora muscae</i>	6211	<i>Furia</i> sp.
6070	<i>Beauveria bassiana</i>	6142	<i>Entomophthora schizophorae</i>	6212	<i>Entomophaga maimaiga</i>
6071	<i>Lecanicillium psalliotae</i>	6143	<i>Entomophthora schizophorae</i>	6213	<i>Beauveria brongniartii</i>
6072	<i>Beauveria bassiana</i>	6144	<i>Verticillium lecanii</i>	6214	<i>Beauveria brongniartii</i>
6073	<i>Beauveria bassiana</i>	6145	<i>Verticillium lecanii</i>	6215	<i>Beauveria brongniartii</i>
6074	<i>Beauveria bassiana</i>	6146	<i>Evlachovaea</i> sp.	6216	<i>Beauveria bassiana</i>
6075	<i>Beauveria bassiana</i>	6147	<i>Beauveria bassiana</i>	6217	<i>Beauveria bassiana</i>
6076	<i>Beauveria bassiana</i>	6148	<i>Beauveria bassiana</i>	6218	<i>Entomophaga maimaiga</i>
6077	<i>Beauveria bassiana</i>	6149	<i>Beauveria bassiana</i>	6219	<i>Neozygites floridana</i> (?)
6078	<i>Beauveria bassiana</i>	6150	<i>Beauveria bassiana</i>	6220	<i>Neozygites floridana</i> (?)
6079	<i>Beauveria bassiana</i>	6151	<i>Beauveria bassiana</i>	6221	<i>Neozygites floridana</i> (?)
6080	<i>Purpureocillium lilacinum</i>	6152	<i>Beauveria bassiana</i>	6222	<i>Isaria farinosa</i>
6081	<i>Purpureocillium lilacinum</i>	6153	<i>Beauveria bassiana</i>	6223	<i>Entomophaga maimaiga</i>
6082	<i>Purpureocillium lilacinum</i>	6154	<i>Calcarisporium parasiticum</i>	6224	<i>Entomophaga maimaiga</i>
6083	<i>Beauveria bassiana</i>	6155	<i>Calcarisporium arbuscula</i>	6225	<i>Fusarium</i> sp.
6084	<i>Purpureocillium lilacinum</i>	6156	<i>Neobarya parasitica</i>	6226	<i>Cladosporium</i> sp.
6085	<i>Verticillium lecanii</i>	6157	Unidentified / <i>Zygomycetes</i>	6227	<i>Beauveria amorpha</i>
6086	<i>Beauveria bassiana</i>	6158	Unidentified / <i>Zygomycetes</i>	6228	<i>Beauveria bassiana</i>
6087	<i>Beauveria bassiana</i>	6159	Unidentified / <i>Zygomycetes</i>	6229	<i>Beauveria pseudobassiana</i>
6088	<i>Beauveria bassiana</i>	6160	Unidentified / <i>Zygomycetes</i>	6230	<i>Beauveria bassiana</i>
6089	<i>Beauveria bassiana</i>	6161	<i>Entomophaga maimaiga</i>	6231	<i>Beauveria bassiana</i>
6090	<i>Beauveria bassiana</i>	6162	<i>Entomophaga maimaiga</i>	6232	<i>Beauveria bassiana</i>
6091	<i>Beauveria bassiana</i>	6163	<i>Entomophaga maimaiga</i>	6233	<i>Beauveria bassiana</i>
6092	<i>Beauveria bassiana</i>	6164	<i>Entomophthora muscae</i>	6234	<i>Beauveria bassiana</i>
6093	<i>Beauveria bassiana</i>	6165	<i>Entomophthora muscae</i>	6235	<i>Beauveria brongniartii</i>
6094	<i>Purpureocillium lilacinum</i>	6166	<i>Pandora neophidis</i>	6236	<i>Metarhizium anisopliae</i> sensu lato

6237	<i>Metarhizium anisopliae</i> sensu lato	6307	<i>Pandora blunckii</i>	6382	<i>Basidiobolus ranarum</i>
6238	<i>Metarhizium guizhouense</i>	6308	<i>Pandora blunckii</i>	6383	<i>Conidiobolus pumilus</i>
6239	<i>Nomuraea rileyi</i>	6309	<i>Pandora blunckii</i>	6384	<i>Conidiobolus firmipilleus</i>
6240	<i>Isaria cateniannulata</i>	6310	<i>Pandora blunckii</i>	6385	<i>Conidiobolus lamprauges</i>
6241	<i>Isaria cateniannulata</i>	6311	<i>Pandora blunckii</i>	6386	<i>Conidiobolus heterosporus</i>
6242	<i>Isaria cateniannulata</i>	6312	<i>Pandora blunckii</i>	6387	<i>Beauveria bassiana</i>
6243	<i>Isaria cateniannulata</i>	6313	<i>Zoophthora radicans</i>	6388	<i>Metarhizium anisopliae</i> sensu lato
6244	<i>Isaria cateniobliqua</i>	6314	<i>Zoophthora radicans</i>	6389	<i>Metarhizium anisopliae</i> sensu lato
6245	<i>Isaria farinosa</i>	6315	<i>Zoophthora radicans</i>	6390	<i>Beauveria bassiana</i>
6246	<i>Isaria farinosa</i>	6316	<i>Pandora blunckii</i>	6391	<i>Beauveria bassiana</i>
6247	<i>Purpureocillium lilacinum</i>	6317	<i>Metarhizium anisopliae</i> sensu stricto	6392	<i>Metarhizium brunneum</i>
6248	<i>Cordyceps militaris</i>	6318	<i>Metarhizium anisopliae</i> sensu stricto	6393	<i>Beauveria bassiana</i>
6249	<i>Isaria tenuipes</i>	6319	<i>Metarhizium anisopliae</i> sensu lato	6394	<i>Fusarium</i> sp.
6250	<i>Verticillium</i> sp.	6320	<i>Fusarium</i> sp.	6395	<i>Fusarium</i> sp.
6251	<i>Entomophthora planchoniana</i>	6321	<i>Metarhizium anisopliae</i> sensu lato	6396	<i>Fusarium</i> sp.
6252	<i>Entomophthora planchoniana</i>	6322	<i>Metarhizium anisopliae</i> sensu lato	6397	<i>Fusarium</i> sp.
6253	<i>Entomophaga maimaiga</i>	6323	<i>Metarhizium anisopliae</i> sensu lato	6398	<i>Fusarium</i> sp.
6254	<i>Entomophaga maimaiga</i>	6324	<i>Metarhizium anisopliae</i> sensu lato	6399	<i>Aspergillus</i> sp.
6255	<i>Entomophaga maimaiga</i>	6325	<i>Paecilomyces lilacinus</i> (?)	6400	<i>Fusarium</i> sp.
6256	<i>Entomophaga maimaiga</i>	6326	<i>Metarhizium anisopliae</i> sensu lato	6401	<i>Fusarium</i> sp.
6257	<i>Entomophaga maimaiga</i>	6327	<i>Ramicandelaber longisporus</i>	6402	<i>Fusarium</i> sp.
6258	<i>Entomophaga maimaiga</i>	6328	<i>Ramicandelaber longisporus</i>	6403	<i>Fusarium</i> sp.
6259	<i>Hyphochytrium catenoides</i>	6329	<i>Ramicandelaber longisporus</i>	6404	<i>Beauveria bassiana</i>
6260	<i>Powellomyces variabilis</i>	6330	<i>Ramicandelaber longisporus</i>	6405	<i>Aspergillus</i> sp.
6261	<i>Rhizophlyctis rosea</i>	6331	<i>Ramicandelaber longisporus</i>	6406	<i>Aspergillus</i> sp.
6262	<i>Rhizophydium sphaerotheca</i>	6332	<i>Ramicandelaber longisporus</i>	6407	<i>Aspergillus niger</i>
6263	<i>Spizellomyces kniepii</i>	6333	<i>Ramicandelaber longisporus</i>	6408	<i>Aspergillus</i> sp.
6264	<i>Entomophaga maimaiga</i>	6334	<i>Ramicandelaber longisporus</i>	6409	<i>Fusarium</i> sp.
6265	<i>Entomophaga maimaiga</i>	6335	<i>Ramicandelaber longisporus</i>	6410	<i>Fusarium</i> sp.
6266	<i>Entomophaga maimaiga</i>	6336	<i>Ramicandelaber longisporus</i>	6411	<i>Fusarium</i> sp.
6267	<i>Entomophaga maimaiga</i>	6337	<i>Ramicandelaber longisporus</i>	6412	<i>Beauveria brongniartii</i>
6268	<i>Entomophaga maimaiga</i>	6338	<i>Ramicandelaber longisporus</i>	6413	<i>Metarhizium</i> sp.
6269	<i>Entomophaga maimaiga</i>	6339	<i>Paecilomyces</i> sp.	6414	<i>Metarhizium anisopliae</i> sensu lato
6270	<i>Entomophaga maimaiga</i>	6340	<i>Purpureocillium lilacinum</i>	6415	<i>Metarhizium anisopliae</i> sensu lato
6271	<i>Entomophaga maimaiga</i>	6341	<i>Sporothrix</i> sp.	6416	<i>Metarhizium flavoviride</i>
6272	<i>Entomophaga maimaiga</i>	6342	<i>Metarhizium anisopliae</i> sensu lato	6417	<i>Metarhizium anisopliae</i> sensu lato
6273	<i>Cladosporium cladosporioides</i>	6343	<i>Metarhizium anisopliae</i> sensu lato	6418	<i>Aspergillus tamarii</i> (?)
6274	<i>Entomophthora muscae</i>	6344	<i>Trichoderma viride</i> (?)	6419	<i>Aspergillus</i> sp.
6275	<i>Smittium megazygosporum</i>	6345	<i>Metarhizium anisopliae</i> sensu lato	6420	<i>Aspergillus tamarii</i> (?)
6276	<i>Neozygites parvispora</i>	6346	<i>Metarhizium anisopliae</i> sensu lato	6421	<i>Metarhizium acridum</i>
6277	<i>Neozygites parvispora</i>	6347	<i>Metarhizium anisopliae</i> sensu stricto	6422	<i>Aspergillus</i> sp.
6278	<i>Neozygites parvispora</i>	6348	<i>Fusarium</i> sp.	6423	<i>Aspergillus</i> sp.
6279	<i>Neozygites parvispora</i>	6349	<i>Cordyceps</i> sp.	6424	<i>Conidiobolus</i> sp.
6280	<i>Neozygites parvispora</i>	6350	<i>Verticillium lecanii</i>	6425	<i>Fusarium</i> sp.
6281	<i>Cordyceps</i> sp.	6351	<i>Fusarium</i> sp.	6426	<i>Beauveria bassiana</i>
6282	<i>Hirsutella sinensis</i>	6352	<i>Fusarium</i> sp.	6427	<i>Saprolegnia</i> sp.
6283	<i>Isaria cateniobliqua</i>	6353	<i>Fusarium</i> sp.	6428	<i>Fusarium</i> sp.
6284	<i>Paecilomyces sinensis</i>	6354	<i>Fusarium</i> sp.	6429	<i>Fusarium</i> sp.
6285	<i>Paecilomyces sinensis</i>	6355	<i>Fusarium oxysporum</i> (?)	6430	<i>Simplicillium lanosoniveum</i>
6286	<i>Sporothrix insectorum</i>	6356	<i>Metarhizium anisopliae</i> sensu lato	6431	<i>Simplicillium lanosoniveum</i>
6287	<i>Verticillium lecanii</i>	6357	<i>Penicillium</i> sp.	6432	<i>Simplicillium lanosoniveum</i>
6288	<i>Isaria farinosa</i>	6358	<i>Fusarium</i> sp.	6433	<i>Lecanicillium aphanocladii</i>
6289	<i>Lecanicillium lecanii</i> (?)	6359	<i>Penicillium</i> sp.	6434	<i>Isaria fumosorosea</i>
6290	<i>Verticillium lecanii</i>	6360	<i>Metarhizium anisopliae</i> sensu lato	6435	<i>Isaria fumosorosea</i>
6291	<i>Verticillium lecanii</i>	6361	<i>Conidiobolus lamprauges</i>	6436	<i>Lecanicillium psalliotae</i>
6292	<i>Hymenostilbe sphecophila</i>	6362	<i>Ascospaera apis</i>	6437	<i>Beauveria brongniartii</i>
6293	<i>Pandora blunckii</i>	6363	<i>Ascospaera proliperda</i>	6438	<i>Beauveria brongniartii</i>
6294	<i>Pandora blunckii</i>	6364	<i>Aspergillus</i> sp.	6439	<i>Beauveria brongniartii</i>
6295	<i>Pandora blunckii</i>	6365	<i>Aspergillus niger</i>	6440	<i>Beauveria brongniartii</i>
6296	<i>Pandora blunckii</i>	6367	<i>Curvularia</i> sp.	6441	<i>Engyodontium aranearum</i>
6297	<i>Pandora blunckii</i>	6369	<i>Aspergillus</i> sp.	6442	<i>Cladosporium</i> sp.
6298	<i>Pandora blunckii</i>	6370	Unidentified sp.	6443	<i>Fusarium</i> sp.
6299	<i>Pandora blunckii</i>	6372	<i>Dactylella</i> sp.	6444	<i>Beauveria bassiana</i>
6300	<i>Pandora blunckii</i>	6375	<i>Fusarium</i> sp.	6445	<i>Fusarium</i> sp.
6301	<i>Pandora blunckii</i>	6376	<i>Beauveria amorpha</i>	6446	<i>Fusarium</i> sp.
6302	<i>Pandora blunckii</i>	6377	<i>Conidiobolus adiaeretus</i>	6447	<i>Fusarium</i> sp.
6303	<i>Zoophthora radicans</i>	6378	<i>Conidiobolus iuxtagenitus</i>	6448	<i>Simplicillium lamellicola</i>
6304	<i>Pandora blunckii</i>	6379	<i>Conidiobolus coronatus</i>	6449	
6305	<i>Pandora blunckii</i>	6380	<i>Basidiobolus ranarum</i>	6450	<i>Fusarium</i> sp.
6306	<i>Pandora blunckii</i>	6381	<i>Conidiobolus thromboides</i>	6451	<i>Fusarium</i> sp.

6452	<i>Fusarium</i> sp.	6524	<i>Entomophaga</i> maimaiga	6592	<i>Metarhizium</i> acridum
6453	<i>Fusarium</i> sp.	6525	<i>Entomophthora</i> thripidum	6593	<i>Metarhizium</i> flavoviride var. minus
6454	<i>Aspergillus</i> flavus	6526	<i>Beauveria</i> bassiana	6594	<i>Metarhizium</i> flavoviride var. minus
6455	<i>Fusarium</i> sp.	6527	<i>Beauveria</i> bassiana	6595	<i>Metarhizium</i> flavoviride var. minus
6457	<i>Metarhizium</i> anisopliae sensu lato	6528	<i>Beauveria</i> bassiana	6596	<i>Metarhizium</i> flavoviride var. minus
6458	<i>Paecilomyces</i> lilacinus(?)	6529	<i>Beauveria</i> bassiana	6597	<i>Metarhizium</i> acridum
6459	<i>Beauveria</i> bassiana	6530	<i>Beauveria</i> bassiana	6598	<i>Metarhizium</i> acridum
6460	<i>Fusarium</i> sp.	6531	<i>Beauveria</i> bassiana	6599	<i>Metarhizium</i> flavoviride var. minus
6461	<i>Fusarium</i> sp.	6532	<i>Beauveria</i> bassiana	6600	<i>Metarhizium</i> acridum
6462	<i>Paecilomyces</i> crustaceus(?)	6533	<i>Beauveria</i> sp.	6601	<i>Metarhizium</i> flavoviride var. minus
6463	Unidentified sp.	6534	<i>Beauveria</i> sp.	6602	<i>Fusarium</i> sp.
6464	<i>Fusarium</i> sp.	6535	<i>Beauveria</i> sp.	6603	<i>Penicillium</i> sp.
6465	<i>Fusarium</i> sp.	6536	<i>Beauveria</i> sp.	6604	<i>Aspergillus</i> sp.
6466	Unidentified sp.	6537	<i>Beauveria</i> sp.	6605	<i>Zoopthora</i> radicans
6467	<i>Paecilomyces</i> crustaceus(?)	6538	<i>Pandora</i> delphacis	6606	<i>Verticillium</i> lecanii
6468	<i>Metarhizium</i> anisopliae sensu lato	6539	<i>Pandora</i> delphacis	6607	<i>Isaria</i> farinosa
6469	<i>Aspergillus</i> flavus	6540	<i>Verticillium</i> lecanii	6608	<i>Beauveria</i> bassiana(?)
6470	<i>Mucor</i> circinelloides	6541	<i>Verticillium</i> lecanii	6609	<i>Isaria</i> farinosa
6471	<i>Beauveria</i> bassiana	6542	<i>Verticillium</i> lecanii	6610	<i>Isaria</i> fumosorosea
6472	<i>Metarhizium</i> robertsii	6543	<i>Verticillium</i> lecanii	6611	<i>Isaria</i> farinosa
6473	<i>Septobasidium</i> carestianum	6544	<i>Verticillium</i> lecanii	6612	<i>Beauveria</i> bassiana
6474	<i>Metarhizium</i> brunneum	6545	<i>Verticillium</i> lecanii	6613	<i>Beauveria</i> bassiana
6475	<i>Metarhizium</i> anisopliae sensu lato	6546	<i>Metarhizium</i> anisopliae sensu stricto	6614	<i>Beauveria</i> bassiana
6476	<i>Metarhizium</i> robertsii	6547	<i>Verticillium</i> lecanii	6615	<i>Isaria</i> fumosorosea
6477	<i>Metarhizium</i> brunneum	6548	<i>Verticillium</i> lecanii	6616	<i>Beauveria</i> bassiana
6478	<i>Beauveria</i> bassiana	6549	<i>Metarhizium</i> anisopliae sensu lato	6617	<i>Beauveria</i> bassiana
6479	<i>Verticillium</i> lecanii	6550	<i>Metarhizium</i> anisopliae var. anisopliae	6618	<i>Beauveria</i> bassiana
6480	<i>Verticillium</i> sp.	6551	<i>Metarhizium</i> anisopliae sensu lato	6619	<i>Isaria</i> farinosa
6481	<i>Isaria</i> farinosa	6552	<i>Beauveria</i> bassiana	6620	<i>Beauveria</i> bassiana
6482	<i>Isaria</i> farinosa	6553	<i>Beauveria</i> bassiana	6621	<i>Purpureocillium</i> lilacinum
6483	<i>Beauveria</i> bassiana	6554	<i>Verticillium</i> lecanii	6622	<i>Fusarium</i> oxysporum(?)
6484	<i>Verticillium</i> sp.	6555	<i>Beauveria</i> bassiana	6623	<i>Isaria</i> farinosa
6485	<i>Verticillium</i> sp.	6556	<i>Beauveria</i> bassiana	6624	<i>Scopulariopsis</i> sp.
6486	<i>Verticillium</i> sp.	6557	<i>Beauveria</i> bassiana	6625	<i>Entomophaga</i> maimaiga
6487	<i>Verticillium</i> lecanii	6558	<i>Metarhizium</i> anisopliae sensu lato	6626	<i>Entomophaga</i> maimaiga
6488	<i>Isaria</i> farinosa	6559	<i>Beauveria</i> bassiana	6627	<i>Entomophaga</i> maimaiga
6489	<i>Isaria</i> farinosa	6560	<i>Beauveria</i> bassiana	6628	<i>Entomophaga</i> maimaiga
6490	<i>Isaria</i> farinosa	6561	<i>Verticillium</i> lecanii	6629	<i>Entomophaga</i> maimaiga
6491	<i>Isaria</i> farinosa	6562	<i>Isaria</i> fumosorosea	6630	<i>Entomophaga</i> maimaiga
6492	<i>Aphanocladium</i> album	6563	<i>Beauveria</i> bassiana	6631	<i>Pandora</i> neoaphidis
6493	<i>Isaria</i> farinosa	6564	<i>Beauveria</i> bassiana	6632	<i>Gliocladium</i> sp.
6494	<i>Purpureocillium</i> lilacinum	6565	<i>Beauveria</i> bassiana	6633	<i>Hirsutella</i> thompsonii
6495	<i>Isaria</i> farinosa	6566	<i>Beauveria</i> bassiana	6634	<i>Tolyposcladium</i> sp.
6496	<i>Isaria</i> farinosa	6567	<i>Beauveria</i> bassiana	6635	<i>Evlachovaea</i> sp.
6497	<i>Isaria</i> farinosa	6568	<i>Beauveria</i> bassiana	6636	<i>Simplicillium</i> lanosoneum
6498	<i>Verticillium</i> sp.	6569	<i>Metarhizium</i> flavoviride var. pemphigum	6637	<i>Simplicillium</i> lanosoneum
6499	<i>Beauveria</i> bassiana	6570	<i>Metarhizium</i> anisopliae sensu lato	6638	<i>Evlachovaea</i> sp.
6500	<i>Verticillium</i> sp.	6571	<i>Aspergillus</i> sp.	6639	<i>Evlachovaea</i> sp.
6501	<i>Verticillium</i> sp.	6572	<i>Fusarium</i> sp.	6640	<i>Evlachovaea</i> sp.
6502	<i>Purpureocillium</i> lilacinum	6573	<i>Aspergillus</i> sp.	6641	<i>Evlachovaea</i> sp.
6503	Unidentified / <i>Hyphomycetes</i>	6574	<i>Aspergillus</i> sp.	6642	<i>Simplicillium</i> lanosoneum
6504	Unidentified / <i>Hyphomycetes</i>	6575	<i>Aspergillus</i> sp.	6643	<i>Beauveria</i> bassiana
6505	<i>Conidiobolus</i> sp.	6576	<i>Aspergillus</i> sp.	6644	<i>Beauveria</i> bassiana
6507	Unidentified / <i>Zygomycetes</i>	6577	<i>Fusarium</i> sp.	6645	<i>Nomuraea</i> rileyi
6508	Unidentified / <i>Zygomycetes</i>	6578	<i>Beauveria</i> amorpha	6646	<i>Beauveria</i> bassiana
6509	Unidentified / <i>Zygomycetes</i>	6579	<i>Gliocladium</i> (?) sp.	6647	<i>Beauveria</i> bassiana
6510	Unidentified / <i>Zygomycetes</i>	6580	<i>Verticillium</i> sp.	6648	<i>Beauveria</i> bassiana
6511	Unidentified / <i>Zygomycetes</i>	6581	<i>Lecanicillium</i> psalliotae	6649	<i>Fusarium</i> sp.
6512	<i>Conidiobolus</i> coronatus	6582	<i>Lecanicillium</i> psalliotae	6650	<i>Beauveria</i> bassiana
6513	<i>Beauveria</i> bassiana	6583	<i>Gliocladium</i> (?) sp.	6651	<i>Verticillium</i> lecanii
6514	<i>Beauveria</i> bassiana	6584	<i>Simplicillium</i> sp.	6652	<i>Entomophaga</i> maimaiga
6515	<i>Aspergillus</i> nidulans(?)	6585	<i>Bipolaris</i> sp.	6653	<i>Entomophaga</i> maimaiga
6516	<i>Cladosporium</i> sphaerospermum	6586	<i>Cladosporium</i> sp.	6654	<i>Entomophaga</i> maimaiga
6517	<i>Entomophthora</i> thripidum	6587	<i>Fusarium</i> sp.	6655	<i>Entomophaga</i> maimaiga
6518	<i>Entomophthora</i> thripidum	6588	<i>Alternaria</i> sp.	6656	<i>Entomophaga</i> maimaiga
6519	<i>Entomophthora</i> thripidum	6589	<i>Fusarium</i> sp.	6657	<i>Entomophaga</i> maimaiga
6520	<i>Entomophthora</i> thripidum	6590	<i>Fusarium</i> sp.	6658	<i>Beauveria</i> bassiana
6521	<i>Entomophthora</i> thripidum	6591	<i>Lecanicillium</i> muscarium	6659	<i>Conidiobolus</i> sp.
6522	<i>Entomophthora</i> thripidum			6660	<i>Beauveria</i> bassiana
6523	<i>Entomophaga</i> maimaiga			6661	<i>Beauveria</i> bassiana

6662	<i>Conidiobolus thromboides</i>	6733	<i>Nomuraea rileyi</i>	6803	<i>Beauveria bassiana</i>
6663	<i>Entomophaga maimaiga</i>	6734	<i>Nomuraea rileyi</i>	6804	<i>Beauveria bassiana</i>
6664	<i>Entomophaga maimaiga</i>	6735	<i>Nomuraea rileyi</i>	6805	<i>Beauveria bassiana</i>
6665	<i>Entomophaga maimaiga</i>	6736	<i>Nomuraea rileyi</i>	6806	<i>Beauveria bassiana</i>
6666	<i>Entomophaga maimaiga</i>	6737	<i>Nomuraea rileyi</i>	6807	<i>Beauveria bassiana</i>
6667	<i>Entomophaga maimaiga</i>	6738	<i>Nomuraea rileyi</i>	6808	<i>Beauveria bassiana</i>
6668	<i>Entomophaga maimaiga</i>	6739	<i>Nomuraea rileyi</i>	6809	<i>Beauveria bassiana</i>
6669	<i>Beauveria bassiana</i>	6740	<i>Nomuraea rileyi</i>	6810	<i>Smittium culisetae</i>
6670	<i>Metarhizium anisopliae sensu lato</i>	6741	<i>Nomuraea rileyi</i>	6811	<i>Entomophthora muscae</i>
6671	<i>Metarhizium anisopliae sensu lato</i>	6742	<i>Nomuraea rileyi</i>	6812	<i>Entomophthora muscae</i>
6672	<i>Metarhizium anisopliae sensu lato</i>	6743	<i>Nomuraea rileyi</i>	6813	<i>Entomophthora muscae</i>
6673	<i>Metarhizium anisopliae sensu lato</i>	6744	<i>Nomuraea rileyi</i>	6814	<i>Entomophthora muscae</i>
6674	<i>Metarhizium anisopliae sensu lato</i>	6745	<i>Nomuraea rileyi</i>	6815	<i>Entomophthora muscae</i>
6675	<i>Metarhizium anisopliae sensu lato</i>	6746	<i>Nomuraea rileyi</i>	6816	<i>Entomophthora schizophorae</i>
6676	<i>Beauveria bassiana</i>	6747	<i>Nomuraea rileyi</i>	6817	<i>Entomophthora schizophorae</i>
6677	<i>Metarhizium anisopliae sensu lato</i>	6748	<i>Nomuraea rileyi</i>	6818	<i>Entomophthora muscae</i>
6678	<i>Metarhizium anisopliae sensu lato</i>	6749	<i>Nomuraea rileyi</i>	6819	<i>Entomophthora syrphi</i>
6679	<i>Metarhizium anisopliae sensu lato</i>	6750	<i>Metarhizium taii</i>	6820	<i>Entomophthora syrphi</i>
6680	<i>Metarhizium anisopliae sensu lato</i>	6751	<i>Metarhizium taii</i>	6821	<i>Entomophthora muscae</i>
6681	<i>Beauveria bassiana</i>	6752	<i>Metarhizium taii</i>	6822	<i>Beauveria bassiana</i>
6682	<i>Metarhizium anisopliae sensu lato</i>	6753	<i>Metarhizium taii</i>	6823	<i>Beauveria bassiana</i>
6683	<i>Metarhizium anisopliae sensu lato</i>	6754	<i>Metarhizium taii</i>	6824	<i>Beauveria bassiana</i>
6684	<i>Metarhizium anisopliae sensu lato</i>	6755	<i>Metarhizium robertsii</i>	6825	<i>Beauveria bassiana</i>
6685	<i>Metarhizium anisopliae sensu lato</i>	6756	<i>Metarhizium anisopliae sensu lato</i>	6826	<i>Beauveria bassiana</i>
6686	<i>Beauveria bassiana</i>	6757	<i>Metarhizium anisopliae sensu lato</i>	6827	<i>Beauveria amorpha(?)</i>
6687	<i>Beauveria bassiana</i>	6758	<i>Metarhizium anisopliae sensu lato</i>	6828	<i>Cordyceps gunnii</i>
6688	<i>Beauveria bassiana</i>	6759	<i>Metarhizium anisopliae sensu lato</i>	6829	<i>Metarhizium anisopliae sensu lato</i>
6689	<i>Beauveria bassiana</i>	6760	<i>Metarhizium anisopliae sensu lato</i>	6830	<i>Metarhizium anisopliae sensu lato</i>
6690	<i>Beauveria bassiana</i>	6761	<i>Metarhizium anisopliae sensu lato</i>	6831	<i>Metarhizium anisopliae sensu lato</i>
6691	<i>Beauveria sp.</i>	6762	<i>Metarhizium anisopliae sensu lato</i>	6832	<i>Metarhizium anisopliae sensu lato</i>
6692	<i>Beauveria bassiana</i>	6763	<i>Metarhizium anisopliae sensu lato</i>	6833	<i>Metarhizium anisopliae sensu lato</i>
6693	<i>Beauveria bassiana</i>	6764	<i>Nomuraea rileyi</i>	6834	<i>Metarhizium anisopliae sensu lato</i>
6694	<i>Metarhizium anisopliae sensu lato</i>	6765	<i>Nomuraea rileyi</i>	6835	<i>Metarhizium anisopliae sensu lato</i>
6695	<i>Beauveria bassiana</i>	6766	<i>Nomuraea rileyi</i>	6836	<i>Metarhizium anisopliae sensu lato</i>
6696	<i>Beauveria bassiana</i>	6767	<i>Nomuraea rileyi</i>	6837	<i>Metarhizium anisopliae sensu lato</i>
6697	<i>Beauveria bassiana</i>	6768	<i>Nomuraea rileyi</i>	6838	<i>Metarhizium anisopliae sensu lato</i>
6698	<i>Metarhizium anisopliae sensu lato</i>	6769	<i>Nomuraea rileyi</i>	6839	<i>Metarhizium anisopliae sensu lato</i>
6699	<i>Lecanicillium muscarium</i>	6770	<i>Nomuraea rileyi</i>	6840	<i>Metarhizium anisopliae sensu lato</i>
6700	<i>Metarhizium anisopliae sensu lato</i>	6771	<i>Nomuraea rileyi</i>	6841	<i>Metarhizium robertsii</i>
6701	<i>Entomophthora muscae</i>	6772	<i>Nomuraea rileyi</i>	6842	<i>Metarhizium robertsii</i>
6702	<i>Entomophthora syrphi</i>	6773	<i>Nomuraea rileyi</i>	6843	<i>Metarhizium robertsii</i>
6703	<i>Entomophthora schizophorae</i>	6774	<i>Nomuraea rileyi</i>	6844	<i>Metarhizium robertsii</i>
6704	<i>Entomophthora scatophagae</i>	6775	<i>Nomuraea rileyi</i>	6845	<i>Metarhizium robertsii</i>
6705	<i>Entomophthora scatophagae</i>	6776	<i>Nomuraea rileyi</i>	6846	<i>Metarhizium robertsii</i>
6706	<i>Entomophthora muscae</i>	6777	<i>Nomuraea rileyi</i>	6847	<i>Metarhizium robertsii</i>
6707	<i>Entomophthora muscae</i>	6778	<i>Nomuraea rileyi</i>	6848	<i>Metarhizium robertsii</i>
6708	<i>Entomophthora muscae</i>	6779	<i>Nomuraea rileyi</i>	6849	<i>Metarhizium anisopliae sensu lato</i>
6709	<i>Entomophthora muscae</i>	6780	<i>Nomuraea rileyi</i>	6850	<i>Metarhizium anisopliae sensu lato</i>
6710	<i>Entomophthora muscae</i>	6781	<i>Nomuraea rileyi</i>	6851	<i>Metarhizium acridum</i>
6711	<i>Entomophthora muscae</i>	6782	<i>Nomuraea rileyi</i>	6852	<i>Metarhizium acridum</i>
6712	<i>Entomophthora muscae</i>	6783	<i>Nomuraea rileyi</i>	6853	<i>Metarhizium acridum</i>
6713	<i>Entomophthora muscae</i>	6784	<i>Nomuraea rileyi</i>	6854	<i>Metarhizium acridum</i>
6714	<i>Entomophthora muscae</i>	6785	<i>Nomuraea rileyi</i>	6855	<i>Metarhizium acridum</i>
6715	<i>Entomophthora muscae</i>	6786	<i>Nomuraea rileyi</i>	6856	<i>Metarhizium acridum</i>
6716	<i>Entomophthora muscae</i>	6787	<i>Nomuraea rileyi</i>	6857	<i>Metarhizium acridum</i>
6717	<i>Entomophthora muscae</i>	6788	<i>Isaria tenuipes</i>	6858	<i>Metarhizium acridum</i>
6718	<i>Leptoglenia chapmanii</i>	6789	<i>Isaria fumosorosea</i>	6859	<i>Metarhizium acridum</i>
6719	<i>Cordyceps staphylinidaecola</i>	6790	<i>Fusarium sp.</i>	6860	<i>Metarhizium anisopliae sensu lato</i>
6720	<i>Cordyceps staphylinidaecola</i>	6791	<i>Lecanicillium lecanii</i>	6861	<i>Metarhizium anisopliae sensu lato</i>
6721	<i>Beauveria bassiana</i>	6792	<i>Lecanicillium muscarium</i>	6862	<i>Metarhizium anisopliae sensu lato</i>
6722	<i>Beauveria bassiana</i>	6793	<i>Beauveria bassiana</i>	6863	<i>Metarhizium anisopliae sensu lato</i>
6723	<i>Beauveria bassiana</i>	6794	<i>Beauveria bassiana</i>	6864	<i>Metarhizium robertsii</i>
6724	<i>Entomophaga maimaiga</i>	6795	<i>Beauveria bassiana</i>	6865	<i>Metarhizium robertsii</i>
6725	<i>Entomophaga maimaiga</i>	6796	<i>Beauveria bassiana</i>	6866	<i>Nomuraea rileyi</i>
6726	<i>Entomophaga maimaiga</i>	6797	<i>Isaria fumosorosea</i>	6867	<i>Nomuraea rileyi</i>
6727	<i>Entomophaga maimaiga</i>	6798	<i>Isaria fumosorosea</i>	6868	<i>Nomuraea rileyi</i>
6728	<i>Entomophaga maimaiga</i>	6799	<i>Isaria fumosorosea</i>	6869	<i>Nomuraea rileyi</i>
6729	<i>Entomophaga maimaiga</i>	6800	<i>Isaria fumosorosea</i>	6870	<i>Nomuraea rileyi</i>
6730	<i>Isaria fumosorosea</i>	6801	<i>Beauveria bassiana</i>	6871	<i>Nomuraea rileyi</i>
6732	<i>Nomuraea rileyi</i>	6802	<i>Beauveria bassiana</i>	6872	<i>Nomuraea rileyi</i>

6873	Nomuraea rileyi	6943	Beauveria bassiana	7013	Conidiobolus coronatus
6874	Nomuraea rileyi	6944	Beauveria bassiana	7014	Metarhizium anisopliae sensu lato
6875	Nomuraea rileyi	6945	Beauveria bassiana	7015	Metarhizium anisopliae sensu lato
6876	Nomuraea rileyi	6946	Beauveria bassiana	7016	Metarhizium anisopliae sensu lato
6877	Nomuraea rileyi	6947	Beauveria bassiana	7017	Metarhizium anisopliae sensu lato
6878	Nomuraea rileyi	6948	Beauveria bassiana	7018	Metarhizium anisopliae sensu lato
6879	Nomuraea rileyi	6949	Beauveria bassiana	7019	Metarhizium anisopliae sensu lato
6880	Nomuraea rileyi	6950	Beauveria bassiana	7020	Metarhizium anisopliae sensu lato
6881	Nomuraea rileyi	6951	Beauveria bassiana	7021	Metarhizium anisopliae sensu lato
6882	Nomuraea rileyi	6952	Beauveria bassiana	7022	Metarhizium anisopliae sensu lato
6883	Paecilomyces sp.	6953	Beauveria bassiana	7023	Metarhizium anisopliae sensu lato
6884	Beauveria bassiana	6954	Beauveria bassiana	7024	Metarhizium anisopliae sensu lato
6885	Beauveria bassiana	6955	Beauveria bassiana	7025	Metarhizium anisopliae sensu lato
6886	Lecanicillium lecanii	6956	Beauveria bassiana	7026	Metarhizium anisopliae sensu lato
6887	Lecanicillium lecanii	6957	Beauveria bassiana	7027	Aspergillus ochraceus(?)
6888	Lecanicillium lecanii	6958	Metarhizium anisopliae sensu lato	7028	Isaria poprawskii
6889	Isaria tenuipes	6959	Metarhizium anisopliae sensu lato	7029	Isaria fumosorosea
6890	Beauveria bassiana(?)	6960	Metarhizium anisopliae sensu lato	7030	Beauveria bassiana
6891	Beauveria bassiana(?)	6961	Ophiocordyceps robertsii	7031	Acremonium(?) sp.
6892	Beauveria bassiana(?)	6962	Drechmeria coniospora	7032	Beauveria kipukae
6893	Isaria fumosorosea	6963	Drechmeria coniospora	7033	Cladosporium cladosporioides(?)
6894	Beauveria bassiana	6964	Drechmeria coniospora	7034	Lecanicillium muscarium
6895	Unidentified sp.	6965	Drechmeria coniospora	7035	Cladosporium sp.
6896	Gliocladium(?) sp.	6966	Drechmeria coniospora	7036	Acremonium(?) sp.
6897	Beauveria bassiana	6967	Beauveria bassiana	7037	Lecanicillium muscarium
6898	Aspergillus sp.	6968	Beauveria bassiana	7038	Sporothrix sp.
6899	Unidentified sp.	6969	Beauveria bassiana	7039	Cladosporium sp.
6900	Beauveria bassiana	6970	Beauveria bassiana	7040	Paecilomyces reniformis
6901	Metarhizium anisopliae sensu lato	6971	Beauveria pseudobassiana	7041	Paecilomyces reniformis
6902	Pandora neoaphidis	6972	Beauveria pseudobassiana	7042	Sporothrix sp.
6903	Beauveria bassiana	6973	Beauveria bassiana	7043	Beauveria sungii
6904	Beauveria bassiana	6974	Beauveria bassiana	7044	Beauveria sungii
6905	Beauveria bassiana	6975	Beauveria bassiana	7045	Fusarium sp.
6906	Beauveria bassiana	6976	Beauveria bassiana	7046	Fusarium sp.
6907	Beauveria bassiana	6977	Beauveria bassiana	7047	Cordyceps bassiana
6908	Beauveria bassiana	6978	Beauveria bassiana	7048	Aspergillus sp.
6909	Metarhizium anisopliae sensu lato	6979	Beauveria bassiana	7049	Beauveria bassiana
6910	Metarhizium anisopliae sensu lato	6980	Beauveria bassiana	7050	Isaria fumosorosea
6911	Metarhizium anisopliae sensu lato	6981	Beauveria bassiana	7051	Isaria fumosorosea
6912	Aschersonia insperata	6982	Beauveria bassiana	7052	Nomuraea rileyi
6913	Conidiobolus antarcticus	6983	Isaria farinosa	7053	Nomuraea rileyi
6914	Lecanicillium muscarium	6984	Beauveria bassiana	7054	Nomuraea rileyi
6915	Lecanicillium lecanii	6985	Purpureocillium lilacinum	7055	Nomuraea rileyi
6916	Isaria fumosorosea	6986	Beauveria bassiana	7056	Nomuraea rileyi
6917	Zoophthora radicans	6987	Beauveria bassiana	7057	Penicillium vulpinum
6918	Entomophthora ferdinandii	6988	Beauveria bassiana	7058	Beauveria brongniartii
6919	Ophiocordyceps heteropoda	6989	Metarhizium anisopliae sensu lato	7059	Metarhizium anisopliae sensu lato
6920	Beauveria bassiana	6990	Metarhizium anisopliae sensu lato	7060	Beauveria bassiana
6921	Beauveria bassiana	6991	Metarhizium anisopliae sensu lato	7061	Beauveria bassiana
6922	Beauveria bassiana	6992	Metarhizium anisopliae sensu lato	7062	Beauveria bassiana
6923	Beauveria bassiana	6993	Metarhizium anisopliae sensu lato	7063	Fusarium sp.
6924	Beauveria bassiana	6994	Metarhizium anisopliae sensu lato	7064	Paecilomyces sp.
6925	Isaria sinclairii	6995	Metarhizium anisopliae sensu lato	7065	Paecilomyces sp.
6926	Nomuraea cylindrospora	6996	Metarhizium anisopliae sensu lato	7066	Unidentified / Hyphomycetes
6927	Nomuraea viridulus	6997	Metarhizium anisopliae sensu lato	7067	Unidentified / Hyphomycetes
6928	Fusarium sp.	6998	Metarhizium anisopliae sensu lato	7068	Batkoo papillata(?)
6929	Beauveria bassiana	6999	Metarhizium anisopliae sensu lato	7069	Isaria fumosorosea
6930	Metarhizium anisopliae sensu lato	7000	Metarhizium anisopliae sensu lato	7070	Unidentified sp.
6931	Beauveria bassiana	7001	Metarhizium anisopliae sensu lato	7071	Aschersonia sp.
6932	Beauveria bassiana	7002	Metarhizium anisopliae sensu lato	7072	Tilachlidium sp.
6933	Beauveria bassiana	7003	Metarhizium anisopliae sensu lato	7073	Aschersonia sp.
6934	Beauveria bassiana	7004	Metarhizium anisopliae sensu lato	7074	Unidentified / Hyphomycetes
6935	Beauveria bassiana	7005	Metarhizium anisopliae sensu lato	7075	Paecilomyces sp.
6936	Beauveria bassiana	7006	Metarhizium anisopliae sensu lato	7076	Unidentified / Hyphomycetes
6937	Beauveria bassiana	7007	Metarhizium anisopliae sensu lato	7077	Aschersonia sp.
6938	Beauveria bassiana	7008	Metarhizium anisopliae sensu lato	7078	Unidentified / Hyphomycetes
6939	Beauveria bassiana	7009	Metarhizium anisopliae sensu lato	7079	Beauveria sp.
6940	Beauveria bassiana	7010	Conidiobolus coronatus	7080	Aschersonia turbinata
6941	Beauveria bassiana	7011	Conidiobolus coronatus	7081	Unidentified / Hyphomycetes
6942	Beauveria bassiana	7012	Conidiobolus coronatus	7082	Aschersonia sp.

7083	<i>Aschersonia</i> sp.	7153	<i>Beauveria bassiana</i>	7223	<i>Torrubiella</i> sp.
7084	<i>Aschersonia</i> sp.	7154	<i>Beauveria bassiana</i>	7224	<i>Lecanicillium muscarium</i>
7085	<i>Aschersonia</i> sp.	7155	<i>Beauveria bassiana</i>	7226	<i>Pandora neoaphidis</i>
7086	Unidentified / <i>Hyphomycetes</i>	7156	<i>Beauveria bassiana</i>	7227	Unidentified <i>Entomophthorales</i> sp.
7087	<i>Aschersonia</i> sp.	7157	<i>Beauveria bassiana</i>	7228	Unidentified <i>Entomophthorales</i> sp.
7088	<i>Torrubiella</i> sp.	7158	<i>Beauveria bassiana</i>	7229	Unidentified <i>Entomophthorales</i> sp.
7089	<i>Balansia</i> sp.	7159	<i>Beauveria bassiana</i>	7230	Unidentified <i>Entomophthorales</i> sp.
7090	<i>Clavicipitaceae</i> anamorph	7160	<i>Beauveria bassiana</i>	7231	<i>Nomuraea atypicola</i>
7091	<i>Aschersonia</i> sp.	7161	<i>Beauveria bassiana</i>	7232	<i>Torrubiella piperis</i>
7092	<i>Aschersonia</i> sp.	7162	<i>Beauveria bassiana</i>	7233	<i>Fusarium</i> sp.
7093	<i>Beauveria bassiana</i>	7163	<i>Beauveria bassiana</i>	7234	<i>Metarhizium brunneum</i>
7094	<i>Isaria farinosa</i>	7164	<i>Beauveria bassiana</i>	7235	<i>Beauveria bassiana</i>
7095	<i>Polycephalomyces ramosus</i>	7165	<i>Beauveria bassiana</i>	7236	<i>Beauveria bassiana</i>
7096	<i>Septobasidium apiculatum</i>	7166	<i>Beauveria bassiana</i>	7237	<i>Beauveria bassiana</i>
7097	<i>Septobasidium burtii</i>	7167	<i>Beauveria bassiana</i>	7238	<i>Beauveria bassiana</i>
7098	<i>Septobasidium burtii</i>	7168	<i>Beauveria bassiana</i>	7239	<i>Beauveria bassiana</i>
7099	<i>Penicillium sumatrense</i>	7169	<i>Beauveria bassiana</i>	7240	<i>Beauveria bassiana</i>
7100	<i>Smittium culisetae</i>	7170	<i>Beauveria bassiana</i>	7241	<i>Beauveria bassiana</i>
7101	<i>Entomophaga maimaiga</i>	7171	<i>Beauveria bassiana</i>	7242	<i>Beauveria pseudobassiana</i>
7102	<i>Entomophaga maimaiga</i>	7172	<i>Beauveria bassiana</i>	7243	<i>Isaria farinosa</i>
7103	<i>Entomophaga maimaiga</i>	7173	<i>Beauveria bassiana</i>	7244	<i>Beauveria bassiana</i>
7104	<i>Entomophaga maimaiga</i>	7174	<i>Beauveria bassiana</i>	7245	<i>Isaria farinosa</i>
7105	<i>Entomophaga maimaiga</i>	7175	<i>Beauveria bassiana</i>	7246	<i>Beauveria bassiana</i>
7106	<i>Entomophaga maimaiga</i>	7176	<i>Beauveria bassiana</i>	7247	<i>Beauveria bassiana</i>
7107	<i>Entomophaga maimaiga</i>	7177	<i>Beauveria bassiana</i>	7248	<i>Lecanicillium muscarium</i>
7108	<i>Entomophaga maimaiga</i>	7178	<i>Beauveria bassiana</i>	7249	<i>Isaria farinosa</i>
7109	<i>Entomophaga maimaiga</i>	7179	<i>Beauveria bassiana</i>	7250	<i>Beauveria bassiana</i>
7110	<i>Entomophaga maimaiga</i>	7180	<i>Metarhizium anisopliae sensu lato</i>	7251	<i>Beauveria bassiana</i>
7111	<i>Entomophaga maimaiga</i>	7181	<i>Lecanicillium lecanii</i>	7252	<i>Beauveria bassiana</i>
7112	<i>Entomophaga maimaiga</i>	7182	<i>Lecanicillium lecanii</i>	7253	<i>Beauveria bassiana</i>
7113	<i>Entomophaga maimaiga</i>	7183	<i>Entomophaga maimaiga</i>	7254	<i>Beauveria bassiana</i>
7114	<i>Entomophaga maimaiga</i>	7184	<i>Entomophaga maimaiga</i>	7255	<i>Beauveria bassiana</i>
7115	<i>Entomophaga maimaiga</i>	7185	<i>Entomophaga maimaiga</i>	7256	<i>Beauveria bassiana</i>
7116	<i>Entomophaga maimaiga</i>	7186	<i>Entomophaga maimaiga</i>	7257	<i>Beauveria bassiana</i>
7117	<i>Beauveria caledonica</i>	7187	<i>Entomophaga maimaiga</i>	7258	<i>Beauveria bassiana</i>
7118	<i>Isaria farinosa</i>	7188	<i>Entomophaga maimaiga</i>	7259	<i>Beauveria bassiana</i>
7119	<i>Isaria javanica</i>	7189	<i>Entomophaga maimaiga</i>	7260	<i>Beauveria bassiana</i>
7120	<i>Entomophaga maimaiga</i>	7190	<i>Entomophaga maimaiga</i>	7261	<i>Beauveria bassiana</i>
7121	<i>Entomophaga maimaiga</i>	7191	<i>Batrachochytrium dendrobatidis</i>	7262	<i>Isaria farinosa</i>
7122	<i>Entomophaga maimaiga</i>	7192	<i>Cordyceps cardinalis</i>	7263	<i>Isaria farinosa</i>
7123	<i>Entomophaga maimaiga</i>	7193	<i>Cordyceps cardinalis</i>	7264	<i>Beauveria bassiana</i>
7124	<i>Entomophaga maimaiga</i>	7194	<i>Cordyceps cardinalis</i>	7265	<i>Beauveria bassiana</i>
7125	<i>Entomophaga maimaiga</i>	7195	<i>Cordyceps cardinalis</i>	7266	<i>Beauveria bassiana</i>
7126	<i>Entomophaga maimaiga</i>	7196	<i>Cordyceps cardinalis</i>	7267	<i>Beauveria bassiana</i>
7127	<i>Entomophaga maimaiga</i>	7197	<i>Cordyceps cardinalis</i>	7268	<i>Beauveria brongniartii</i>
7128	<i>Pochonia chlamydosporia</i>	7198	<i>Cordyceps cardinalis</i>	7269	<i>Beauveria bassiana</i>
7129	<i>Tolypocladium cylindrosporum</i>	7199	<i>Cordyceps cardinalis</i>	7270	<i>Beauveria bassiana</i>
7130	<i>Nomuraea atypicola</i>	7200	<i>Clonostachys rosea</i>	7271	<i>Beauveria bassiana</i>
7131	<i>Entomophaga maimaiga</i>	7201	<i>Beauveria bassiana</i>	7272	<i>Beauveria bassiana</i>
7132	<i>Entomophaga maimaiga</i>	7202	<i>Beauveria bassiana</i>	7273	<i>Beauveria bassiana</i>
7133	<i>Entomophaga maimaiga</i>	7203	<i>Conidiobolus coronatus</i>	7274	<i>Beauveria bassiana</i>
7134	<i>Entomophaga maimaiga</i>	7204	<i>Isaria fumosorosea</i>	7275	<i>Beauveria bassiana</i>
7135	<i>Entomophaga maimaiga</i>	7205	<i>Isaria fumosorosea</i>	7276	<i>Isaria farinosa</i>
7136	<i>Entomophaga maimaiga</i>	7206	<i>Lecanicillium longisporum</i>	7277	<i>Cordyceps scarabaeicola</i>
7137	<i>Entomophaga maimaiga</i>	7207	<i>Lecanicillium lecanii</i>	7278	<i>Cordyceps scarabaeicola</i>
7138	<i>Entomophaga maimaiga</i>	7208	<i>Zoophthora radicans</i>	7279	<i>Beauveria sungii</i>
7139	<i>Entomophaga maimaiga</i>	7209	<i>Conidiobolus thromboides</i>	7280	<i>Beauveria sungii</i>
7140	<i>Entomophaga aulicae</i>	7210	<i>Conidiobolus thromboides</i>	7281	<i>Beauveria sungii</i>
7141	<i>Entomophaga aulicae</i>	7211	<i>Conidiobolus thromboides</i>	7282	<i>Acremonium alternatum</i>
7142	<i>Entomophaga aulicae</i>	7212	<i>Pandora neoaphidis</i>	7283	<i>Fusarium</i> sp.
7143	<i>Entomophaga aulicae</i>	7213	<i>Pandora neoaphidis</i>	7284	<i>Isaria fumosorosea</i>
7144	<i>Entomophaga aulicae</i>	7214	<i>Pandora neoaphidis</i>	7285	<i>Syspastospora parasitica</i>
7145	<i>Entomophaga aulicae</i>	7215	<i>Conidiobolus thromboides</i>	7286	<i>Hirsutella rhossiliensis</i>
7146	<i>Candida cf. pseudoglaebosa</i>	7216	<i>Conidiobolus</i> sp.	7287	<i>Hirsutella rhossiliensis</i>
7147	<i>Beauveria bassiana</i>	7217	<i>Conidiobolus obscurus</i>	7288	<i>Hirsutella minnesotensis</i>
7148	<i>Nomuraea rileyi</i>	7218	<i>Evlachovaea kintrischica</i>	7289	<i>Hirsutella minnesotensis</i>
7149	<i>Nomuraea rileyi</i>	7219	<i>Isaria farinosa</i> (?)	7290	<i>Hirsutella minnesotensis</i>
7150	<i>Nomuraea rileyi</i>	7220	<i>Ophiocordyceps nutans</i>	7291	<i>Hirsutella minnesotensis</i>
7151	<i>Nomuraea rileyi</i>	7221	<i>Cordyceps pruinosa</i>	7292	<i>Hirsutella rhossiliensis</i>
7152	<i>Beauveria bassiana</i>	7222	<i>Cordyceps pseudoinsignis</i>	7293	<i>Hirsutella rhossiliensis</i>

7294	<i>Hirsutella minnesotensis</i>	7369		7439	<i>Metarhizium frigidum</i>
7295	<i>Hirsutella rhossiliensis</i>	7370	<i>Batkoa</i> sp.	7440	<i>Metarhizium frigidum</i>
7296	<i>Aschersonia turbinata</i>	7371	<i>Entomophthora muscae</i>	7441	<i>Metarhizium frigidum</i>
7297	<i>Aschersonia turbinata</i>	7372	<i>Evlachovaea</i> sp.	7442	<i>Metarhizium frigidum</i>
7298	<i>Aschersonia turbinata</i>	7373	<i>Lecanicillium</i> sp.	7443	<i>Metarhizium frigidum</i>
7299	<i>Aschersonia turbinata</i>	7374	Unidentified / <i>Hyphomycetes</i>	7444	<i>Metarhizium frigidum</i>
7300	<i>Aschersonia turbinata</i>	7375	<i>Lecanicillium muscarium</i>	7445	<i>Metarhizium frigidum</i>
7301	<i>Aschersonia turbinata</i>	7376	<i>Beauveria brongniartii</i>	7446	<i>Metarhizium frigidum</i>
7302	<i>Aschersonia turbinata</i>	7377	<i>Beauveria bassiana</i>	7447	<i>Metarhizium frigidum</i>
7303	<i>Aschersonia turbinata</i>	7378	<i>Beauveria bassiana</i>	7448	<i>Metarhizium frigidum</i>
7304	<i>Aschersonia turbinata</i>	7379	<i>Beauveria bassiana</i>	7449	<i>Metarhizium robertsii</i>
7305	<i>Aschersonia turbinata</i>	7380	<i>Beauveria bassiana</i>	7450	<i>Metarhizium anisopliae sensu stricto</i>
7306	<i>Aschersonia turbinata</i>	7381	<i>Fusarium</i> sp.	7451	<i>Metarhizium anisopliae sensu lato</i>
7307	<i>Aschersonia cubensis</i>	7382	<i>Fusarium</i> sp.	7452	<i>Metarhizium anisopliae sensu lato</i>
7308	<i>Aschersonia cubensis</i>	7383	Unidentified / <i>Hyphomycetes</i>	7453	<i>Metarhizium anisopliae</i> var. <i>lepidiotae</i>
7309	<i>Aschersonia cubensis</i>	7384	Unidentified / <i>Hyphomycetes</i>	7454	<i>Zoopthora</i> sp.
7310	<i>Aschersonia</i> sp.	7385	<i>Lecanicillium lecanii</i>	7455	<i>Zoopthora radicans</i>
7311	<i>Aschersonia</i> sp.	7386	Unidentified / <i>Hyphomycetes</i>	7456	<i>Tolyposcladium cylindrosporium</i>
7312	<i>Aschersonia cubensis</i>	7387	<i>Gibellula</i> sp.	7457	<i>Lecanicillium longisporum</i>
7313	<i>Aschersonia</i> sp.	7388	<i>Paecilomyces</i> sp.	7458	<i>Lecanicillium longisporum</i>
7314	<i>Aschersonia</i> sp.	7389	<i>Metarhizium</i> sp.	7459	<i>Lecanicillium longisporum</i>
7315	<i>Aschersonia turbinata</i>	7390	<i>Aschersonia rhombispora</i>	7460	<i>Lecanicillium muscarium</i>
7316	<i>Aschersonia turbinata</i>	7391	<i>Aschersonia andropogonis</i>	7461	<i>Lecanicillium longisporum</i>
7317	<i>Aschersonia</i> sp.	7392	Unidentified / <i>Hyphomycetes</i>	7462	<i>Lecanicillium lecanii</i>
7318	<i>Aschersonia</i> sp.	7393	<i>Aschersonia aleyrodis</i>	7463	<i>Beauveria</i> sp.
7319	<i>Aschersonia</i> sp.	7394	<i>Aschersonia aleyrodis</i>	7464	<i>Beauveria bassiana</i>
7320	<i>Aschersonia</i> sp.	7395	<i>Aschersonia rhombispora</i>	7465	<i>Beauveria bassiana</i>
7321	<i>Aschersonia</i> sp.	7396	<i>Hypocrella andropogonis</i>	7466	<i>Beauveria bassiana</i>
7322	<i>Aschersonia</i> sp.	7397	<i>Hypocrella andropogonis</i>	7467	<i>Beauveria bassiana</i>
7323	<i>Aschersonia</i> sp.	7398	<i>Aschersonia andropogonis</i>	7468	<i>Beauveria bassiana</i>
7324	<i>Aschersonia</i> sp.	7399	<i>Aschersonia rhombispora</i>	7469	<i>Beauveria bassiana</i>
7325	<i>Aschersonia</i> sp.	7400	<i>Aschersonia rhombispora</i>	7470	<i>Beauveria bassiana</i>
7326	<i>Aschersonia</i> sp.	7401	<i>Hypocrella phyllogena</i>	7471	<i>Beauveria bassiana</i>
7327	<i>Aschersonia</i> sp.	7402	<i>Acremonium</i> sp.	7472	<i>Clonostachys rosea</i>
7328	<i>Aschersonia</i> sp.	7403	<i>Evlachovaea</i> sp.	7473	<i>Fusarium</i> sp.
7329	<i>Aschersonia</i> sp.	7404	<i>Beauveria bassiana</i>	7474	<i>Metarhizium anisopliae sensu lato</i>
7331	<i>Aschersonia turbinata</i>	7405	<i>Ascospaera apis</i>	7475	<i>Metarhizium anisopliae sensu lato</i>
7332	<i>Aschersonia turbinata</i>	7406	<i>Ascospaera apis</i>	7476	<i>Metarhizium anisopliae sensu lato</i>
7333	<i>Aschersonia turbinata</i>	7407	<i>Lecanicillium</i> sp.	7477	<i>Isaria javanica</i>
7334	<i>Aschersonia cubensis</i>	7408	<i>Lecanicillium lecanii</i>	7478	<i>Purpureocillium lilacinum</i>
7335	<i>Aschersonia turbinata</i>	7409	<i>Fusarium coccophilum</i>	7479	<i>Nomurea rileyi</i>
7336	<i>Aschersonia turbinata</i>	7410	<i>Metarhizium pingshaense</i>	7480	<i>Nomurea rileyi</i>
7337	<i>Aschersonia</i> sp.	7411	<i>Metarhizium anisopliae sensu lato</i>	7481	<i>Nomurea rileyi</i>
7338	<i>Aschersonia</i> sp.	7412	<i>Metarhizium lepidiotae</i>	7482	<i>Nomurea rileyi</i>
7339	<i>Aschersonia aleyrodis</i>	7413	<i>Metarhizium robertsii</i>	7483	<i>Nomurea rileyi</i>
7340	<i>Aschersonia aleyrodis</i>	7414	<i>Metarhizium pingshaense</i>	7484	<i>Nomurea rileyi</i>
7341	<i>Aschersonia andropogonis</i>	7415	<i>Metarhizium pingshaense</i>	7485	<i>Metarhizium anisopliae sensu lato</i>
7342	<i>Aschersonia andropogonis</i>	7416	<i>Metarhizium pingshaense</i>	7486	<i>Metarhizium acridum</i>
7343	<i>Aschersonia aleyrodis</i>	7417	<i>Metarhizium pingshaense</i>	7487	<i>Metarhizium anisopliae sensu stricto</i>
7344	<i>Aschersonia aleyrodis</i>	7418	<i>Metarhizium anisopliae sensu stricto</i>	7488	<i>Metarhizium lepidiotae</i>
7345	Unidentified / <i>Hyphomycetes</i>	7419	<i>Metarhizium anisopliae sensu stricto</i>	7489	<i>Metarhizium anisopliae sensu lato</i>
7346	<i>Hirsutella</i> sp.	7420	<i>Metarhizium guizhouense</i>	7490	<i>Metarhizium anisopliae sensu lato</i>
7347	<i>Isaria fumosorosea</i>	7421	<i>Metarhizium pingshaense</i>	7491	<i>Metarhizium flavoviride</i> var. <i>pemphigum</i>
7348	<i>Nomurea atypicola</i>	7422	<i>Metarhizium pingshaense</i>	7492	<i>Metarhizium anisopliae sensu lato</i>
7349	Unidentified / <i>Hyphomycetes</i>	7423	<i>Metarhizium anisopliae sensu stricto</i>	7493	<i>Metarhizium</i> sp.
7350	Unidentified / <i>Hyphomycetes</i>	7424	<i>Metarhizium robertsii</i>	7494	<i>Metarhizium anisopliae sensu lato</i>
7351	<i>Akanthomyces aculeatus</i>	7425	<i>Metarhizium pingshaense</i>	7495	<i>Metarhizium</i> sp.
7352	<i>Entomophaga maimaiga</i>	7426	<i>Metarhizium anisopliae sensu stricto</i>	7496	<i>Metarhizium anisopliae sensu lato</i>
7353	<i>Entomophaga maimaiga</i>	7427	<i>Metarhizium anisopliae sensu stricto</i>	7497	<i>Metarhizium</i> sp.
7354	<i>Ascopolyporus philodendrus</i>	7428	<i>Metarhizium anisopliae sensu stricto</i>	7498	<i>Metarhizium anisopliae sensu lato</i>
7355	<i>Ascopolyporus villosus</i>	7429	<i>Metarhizium pingshaense</i>	7499	<i>Metarhizium anisopliae sensu lato</i>
7356	<i>Beauveria bassiana</i>	7430	<i>Metarhizium anisopliae sensu stricto</i>	7500	<i>Metarhizium anisopliae sensu lato</i>
7357	<i>Beauveria bassiana</i>	7431	<i>Metarhizium pingshaense</i>	7501	<i>Metarhizium robertsii</i>
7358	<i>Beauveria bassiana</i>	7432	<i>Metarhizium anisopliae sensu stricto</i>	7502	<i>Metarhizium guizhouense</i>
7359	<i>Beauveria bassiana</i>	7433	<i>Metarhizium brunneum</i>	7503	<i>Metarhizium anisopliae sensu lato</i>
7362	<i>Beauveria bassiana</i>	7434	<i>Metarhizium brunneum</i>	7504	<i>Metarhizium anisopliae sensu lato</i>
7363	<i>Beauveria bassiana</i>	7435	<i>Metarhizium pingshaense</i>	7505	<i>Metarhizium majus</i>
7364	<i>Beauveria bassiana</i>	7436	<i>Metarhizium frigidum</i>	7506	<i>Metarhizium anisopliae sensu lato</i>
7365	<i>Beauveria bassiana</i>	7437	<i>Metarhizium frigidum</i>		
7368	<i>Ascospaera</i> sp.	7438	<i>Metarhizium frigidum</i>		

7507 <i>Metarhizium guizhouense</i>	7580 <i>Beauveria</i> sp.	7650 <i>Aschersonia viridans</i>
7508 Clavicipitaceae anamorph	7581 <i>Beauveria bassiana</i>	7652 <i>Aschersonia viridans</i>
7509 Clavicipitaceae anamorph	7582 <i>Beauveria</i> sp.	7653 <i>Aschersonia viridans</i>
7510 Clavicipitaceae anamorph	7583 <i>Beauveria bassiana</i>	7654 Clavicipitaceae anamorph
7511 Clavicipitaceae anamorph	7584 <i>Beauveria</i> sp.	7655 <i>Hyperdermium</i> sp.
7514 Clavicipitaceae anamorph	7585 <i>Beauveria bassiana</i>	7656 <i>Aschersonia</i> sp.
7515 Clavicipitaceae anamorph	7586 <i>Beauveria</i> sp.	7657 Clavicipitaceae anamorph
7516 <i>Cordyceps brongniartii</i>	7587 <i>Beauveria</i> sp.	7658 <i>Torrubiella</i> (?) sp.
7517 <i>Cordyceps brongniartii</i>	7588 <i>Beauveria</i> sp.	7659 <i>Aschersonia aleyrodis</i>
7518 Unidentified / <i>Hyphomycetes</i>	7589 <i>Beauveria</i> sp.	7660 <i>Aschersonia andropogonis</i>
7519 <i>Beauveria bassiana</i>	7590 <i>Beauveria bassiana</i>	7661 <i>Aschersonia placenta</i>
7520 <i>Beauveria bassiana</i>	7591 <i>Beauveria</i> sp.	7662 <i>Aschersonia andropogonis</i>
7521 <i>Beauveria bassiana</i>	7592 <i>Beauveria bassiana</i>	7663 <i>Hypocrella discoidea</i>
7522 <i>Metarhizium anisopliae</i> var. <i>acidum</i>	7593 <i>Beauveria bassiana</i>	7664 <i>Hypocrella</i> sp.
7523 <i>Isaria fumosorosea</i>	7594 <i>Beauveria</i> sp.	7665 Clavicipitaceae anamorph
7524 <i>Metarhizium anisopliae</i> sensu lato	7595 <i>Beauveria</i> sp.	7666 <i>Aschersonia aleyrodis</i>
7525 <i>Beauveria bassiana</i>	7596 <i>Beauveria bassiana</i>	7667 <i>Hypocrella amazonica</i>
7526 <i>Beauveria bassiana</i>	7597 <i>Beauveria</i> sp.	7668 <i>Hypocrella discoidea</i>
7527 <i>Metarhizium anisopliae</i> sensu lato	7598 <i>Beauveria</i> sp.	7669 <i>Hypocrella amazonica</i>
7528 <i>Beauveria brongniartii</i>	7599 <i>Evlachovaea</i> sp.	7670 <i>Aschersonia incrassata</i>
7529 <i>Metarhizium anisopliae</i> sensu lato	7600 <i>Evlachovaea</i> sp.	7671 <i>Aschersonia cubensis</i>
7530 <i>Lecanicillium lecanii</i>	7601 <i>Evlachovaea</i> sp.	7672 <i>Aschersonia andropogonis</i>
7531 <i>Isaria farinosa</i>	7602 <i>Evlachovaea</i> sp.	7673 <i>Torrubiella</i> sp.
7532 <i>Metarhizium anisopliae</i> sensu lato	7603 <i>Aschersonia placenta</i>	7674 <i>Aschersonia viridans</i>
7533 <i>Beauveria bassiana</i>	7604 <i>Aschersonia placenta</i>	7675 <i>Aschersonia turbinata</i>
7534 <i>Beauveria bassiana</i>	7605 <i>Hypocrella javanica</i>	7676 <i>Aschersonia cubensis</i>
7535 <i>Metarhizium anisopliae</i> sensu lato	7606 <i>Hypocrella raciborskii</i>	7677 <i>Aschersonia aleyrodis</i>
7536 <i>Metarhizium anisopliae</i> sensu lato	7607 <i>Aschersonia placenta</i>	7678 Unidentified / <i>Hyphomycetes</i>
7537 <i>Metarhizium anisopliae</i> sensu lato	7608 <i>Aschersonia andropogonis</i>	7679 Unidentified / <i>Hyphomycetes</i>
7538 <i>Metarhizium anisopliae</i> sensu lato	7609 <i>Aschersonia placenta</i>	7680 <i>Hypocrella amazonica</i>
7539 <i>Tolypocladium cylindrosporum</i>	7610 Clavicipitaceae anamorph	7681 <i>Hypocrella discoidea</i>
7540 <i>Beauveria bassiana</i>	7611 <i>Aschersonia basicystis</i>	7682 <i>Regiocrella camerunensis</i>
7541 <i>Beauveria bassiana</i>	7612 <i>Metarhizium anisopliae</i> sensu lato	7683 Clavicipitaceae anamorph
7542 <i>Beauveria amorph</i>	7613 <i>Metarhizium anisopliae</i> sensu lato	7684 Clavicipitaceae anamorph
7543 <i>Evlachovaea</i> sp.	7614 <i>Metarhizium anisopliae</i> sensu lato	7685 <i>Aschersonia andropogonis</i>
7544 <i>Lecanicillium</i> sp.	7615 <i>Metarhizium anisopliae</i> sensu lato	7686 <i>Aschersonia placenta</i>
7545 <i>Purpureocillium lilacinum</i>	7616 <i>Aschersonia placenta</i>	7687 Clavicipitaceae anamorph
7546 <i>Purpureocillium lilacinum</i>	7617 <i>Aschersonia aleyrodis</i>	7688 Clavicipitaceae anamorph
7547 <i>Purpureocillium lilacinum</i>	7618 Clavicipitaceae anamorph	7689 Clavicipitaceae anamorph
7548 <i>Purpureocillium lilacinum</i>	7619 Clavicipitaceae anamorph	7690 Clavicipitaceae anamorph
7550 <i>Lecanicillium lecanii</i>	7620 <i>Lecanicillium muscarium</i>	7691 Clavicipitaceae anamorph
7551 <i>Evlachovaea</i> sp.	7621 <i>Lecanicillium muscarium</i>	7692 Clavicipitaceae anamorph
7552 <i>Beauveria bassiana</i>	7622 <i>Lecanicillium</i> sp.	7693 Clavicipitaceae anamorph
7553 <i>Beauveria bassiana</i>	7623 <i>Simplicillium lanosoneum</i>	7694 Clavicipitaceae anamorph
7554 <i>Beauveria bassiana</i>	7624 <i>Lecanicillium</i> sp.	7695 Clavicipitaceae anamorph
7555 <i>Beauveria brongniartii</i>	7625 <i>Lecanicillium</i> sp.	7696 <i>Hypocrella africana</i>
7556 <i>Beauveria brongniartii</i>	7626 <i>Lecanicillium</i> sp.	7697 <i>Aschersonia napoleonae</i>
7557 <i>Beauveria brongniartii</i>	7627 <i>Lecanicillium</i> sp.	7698 <i>Aschersonia andropogonis</i>
7558 <i>Beauveria brongniartii</i>	7628 <i>Lecanicillium</i> sp.	7699 <i>Aschersonia</i> sp.
7559 <i>Beauveria brongniartii</i>	7629 <i>Lecanicillium</i> sp.	7700 <i>Aschersonia cubensis</i>
7560 <i>Beauveria brongniartii</i>	7630 <i>Lecanicillium</i> sp.	7701 <i>Torrubiella</i> sp.
7561 <i>Beauveria brongniartii</i>	7631 <i>Lecanicillium muscarium</i>	7702 <i>Aschersonia cubensis</i>
7562 <i>Beauveria</i> sp.	7632 <i>Lecanicillium</i> sp.	7703 <i>Aschersonia cubensis</i>
7563 <i>Beauveria</i> sp.	7633 <i>Lecanicillium muscarium</i>	7704 <i>Aschersonia cubensis</i>
7564 <i>Beauveria</i> sp.	7634 <i>Lecanicillium</i> sp.	7705 <i>Hypocrella</i> sp.
7565 <i>Beauveria</i> sp.	7635 <i>Lecanicillium</i> sp.	7706 <i>Aschersonia aleyrodis</i>
7566 <i>Beauveria</i> sp.	7636 <i>Lecanicillium</i> sp.	7707 <i>Aschersonia aleyrodis</i>
7567 <i>Beauveria</i> sp.	7637 <i>Aschersonia placenta</i>	7708 <i>Torrubiella</i> sp.
7568 <i>Lecanicillium muscarium</i>	7638 <i>Aschersonia andropogonis</i>	7709 <i>Gibellula</i> sp.
7569 <i>Metarhizium anisopliae</i> sensu lato	7639 <i>Aschersonia andropogonis</i>	7710 <i>Hypocrea rufa</i>
7570 <i>Metarhizium anisopliae</i> sensu lato	7640 Clavicipitaceae anamorph	7711 <i>Metarhizium brunneum</i>
7571 <i>Metarhizium anisopliae</i> sensu lato	7641 <i>Aschersonia aleyrodis</i>	7712 <i>Engyodontium album</i>
7572 <i>Metarhizium anisopliae</i> sensu lato	7642 <i>Aschersonia aleyrodis</i>	7713 <i>Engyodontium album</i>
7573 <i>Metarhizium anisopliae</i> sensu lato	7643 <i>Metarhizium</i> sp.	7714 <i>Isaria farinosa</i>
7574 <i>Isaria farinosa</i>	7644 <i>Metarhizium anisopliae</i> sensu lato	7715 <i>Isaria farinosa</i>
7575 <i>Isaria farinosa</i>	7645 <i>Metarhizium</i> sp.	7716 <i>Isaria fumosorosea</i>
7576 <i>Isaria farinosa</i>	7646 Clavicipitaceae anamorph	7717 <i>Isaria farinosa</i>
7577 <i>Akanthomyces clavatus</i>	7647 <i>Aschersonia cubensis</i>	7718 <i>Isaria farinosa</i>
7578 <i>Hirsutella</i> sp.	7648 <i>Aschersonia cubensis</i>	7719 <i>Isaria farinosa</i>
7579 <i>Beauveria</i> sp.	7649 Clavicipitaceae anamorph	7720 <i>Isaria farinosa</i>

7721	<i>Paecilomyces</i> sp.	7791	<i>Nomuraea rileyi</i>	7860	<i>Metarhizium anisopliae</i> sensu lato
7722	<i>Isaria farinosa</i>	7792	<i>Nomuraea rileyi</i>	7861	<i>Metarhizium anisopliae</i> sensu lato
7723	<i>Isaria farinosa</i>	7793	<i>Nomuraea rileyi</i>	7862	<i>Metarhizium anisopliae</i> sensu lato
7724	<i>Isaria farinosa</i>	7794	<i>Nomuraea rileyi</i>	7863	<i>Metarhizium anisopliae</i> sensu lato
7725	<i>Isaria farinosa</i>	7795	<i>Beauveria bassiana</i>	7864	<i>Metarhizium anisopliae</i> sensu lato
7726	<i>Isaria farinosa</i>	7796	<i>Beauveria bassiana</i>	7865	<i>Metarhizium anisopliae</i> sensu lato
7727	<i>Isaria farinosa</i>	7797	<i>Aspergillus niger</i>	7866	<i>Metarhizium anisopliae</i> sensu lato
7728	<i>Isaria farinosa</i>	7798	<i>Aspergillus niger</i>	7867	<i>Metarhizium anisopliae</i> sensu lato
7729	<i>Isaria farinosa</i>	7799	<i>Aspergillus niger</i>	7868	<i>Metarhizium anisopliae</i> sensu lato
7730	<i>Isaria farinosa</i>	7800	<i>Paecilomyces</i> sp.	7869	<i>Metarhizium anisopliae</i> sensu lato
7731	<i>Isaria farinosa</i>	7801	<i>Paecilomyces</i> sp.	7870	<i>Metarhizium anisopliae</i> sensu lato
7732	<i>Isaria farinosa</i>	7802	Unidentified / <i>Hyphomycetes</i>	7871	<i>Metarhizium anisopliae</i> sensu lato
7733	<i>Isaria farinosa</i>	7803	<i>Paecilomyces</i> sp.	7872	<i>Metarhizium anisopliae</i> sensu lato
7734	<i>Isaria farinosa</i>	7804	<i>Myrothecium</i> sp.	7873	<i>Metarhizium anisopliae</i> sensu lato
7735	<i>Isaria tenuipes</i>	7805	<i>Engyodontium rectidentatum</i>	7874	<i>Metarhizium anisopliae</i> sensu lato
7736	<i>Isaria farinosa</i>	7806	Unidentified / <i>Hyphomycetes</i>	7875	<i>Metarhizium anisopliae</i> sensu lato
7737	<i>Isaria farinosa</i>	7807	<i>Cordyceps</i> sp.	7876	<i>Metarhizium anisopliae</i> sensu lato
7738	<i>Lecanicillium muscarium</i>	7808	<i>Cordyceps</i> sp.	7877	<i>Beauveria bassiana</i>
7739	<i>Isaria farinosa</i>	7809	<i>Cordyceps militaris</i>	7878	<i>Beauveria bassiana</i>
7740	<i>Isaria fumosorosea</i>	7810	<i>Cordyceps militaris</i>	7879	<i>Metarhizium anisopliae</i> sensu lato
7741	<i>Paecilomyces</i> sp.	7811	<i>Cordyceps</i> sp.	7880	<i>Metarhizium anisopliae</i> sensu lato
7742	<i>Paecilomyces</i> sp.	7812	<i>Tolypocladium cylindrosporium</i>	7881	<i>Metarhizium anisopliae</i> sensu lato
7743	<i>Isaria fumosorosea</i>	7813	<i>Beauveria bassiana</i>	7882	<i>Metarhizium anisopliae</i> sensu lato
7744	<i>Paecilomyces</i> sp.	7814	<i>Metarhizium anisopliae</i> sensu lato	7883	<i>Metarhizium anisopliae</i> sensu lato
7745	<i>Paecilomyces</i> sp.	7815	<i>Metarhizium anisopliae</i> sensu lato	7884	<i>Metarhizium anisopliae</i> sensu lato
7746	<i>Paecilomyces</i> sp.	7816	<i>Metarhizium anisopliae</i> sensu lato	7885	<i>Metarhizium anisopliae</i> sensu lato
7747	<i>Paecilomyces</i> sp.	7817	<i>Metarhizium anisopliae</i> sensu lato	7886	<i>Metarhizium anisopliae</i> sensu lato
7748	<i>Hypocrella macrostroma</i>	7818	<i>Metarhizium anisopliae</i> sensu lato	7887	<i>Metarhizium anisopliae</i> sensu lato
7749	<i>Aschersonia basicystis</i>	7819	<i>Metarhizium anisopliae</i> sensu lato	7888	<i>Metarhizium anisopliae</i> sensu lato
7750	<i>Aschersonia basicystis</i>	7820	<i>Metarhizium anisopliae</i> sensu lato	7889	<i>Beauveria bassiana</i>
7751	<i>Aschersonia</i> sp.	7821	<i>Metarhizium anisopliae</i> sensu lato	7890	<i>Beauveria bassiana</i>
7752	<i>Hypocrella phyllogena</i>	7822	<i>Metarhizium anisopliae</i> sensu lato	7891	<i>Beauveria bassiana</i>
7753	Clavicipitaceae anamorph	7823	<i>Metarhizium anisopliae</i> sensu lato	7892	<i>Metarhizium anisopliae</i> sensu lato
7754	<i>Aschersonia andropogonis</i>	7824	<i>Metarhizium anisopliae</i> sensu lato	7893	<i>Metarhizium anisopliae</i> sensu lato
7755	<i>Aschersonia andropogonis</i>	7825	<i>Metarhizium anisopliae</i> sensu lato	7894	<i>Metarhizium anisopliae</i> sensu lato
7756	<i>Paecilomyces</i> sp.	7826	<i>Metarhizium anisopliae</i> sensu lato	7895	<i>Metarhizium anisopliae</i> sensu lato
7757	<i>Myrothecium verrucaria</i>	7827	<i>Metarhizium anisopliae</i> sensu lato	7896	<i>Metarhizium anisopliae</i> sensu lato
7758	<i>Beauveria bassiana</i>	7828	<i>Metarhizium anisopliae</i> sensu lato	7897	<i>Metarhizium anisopliae</i> sensu lato
7759	<i>Spicellum ovalispora</i>	7829	<i>Metarhizium anisopliae</i> sensu lato	7898	<i>Metarhizium anisopliae</i> sensu lato
7760	<i>Beauveria malawiensis</i>	7830	<i>Metarhizium anisopliae</i> sensu lato	7899	<i>Metarhizium anisopliae</i> sensu lato
7761	<i>Beauveria brongniartii</i>	7831	<i>Metarhizium anisopliae</i> sensu lato	7900	<i>Metarhizium anisopliae</i> sensu lato
7762	<i>Beauveria brongniartii</i>	7832	<i>Metarhizium anisopliae</i> sensu lato	7901	<i>Metarhizium anisopliae</i> sensu lato
7763	<i>Beauveria bassiana</i>	7833	<i>Metarhizium anisopliae</i> sensu lato	7902	<i>Metarhizium anisopliae</i> sensu lato
7764	<i>Beauveria bassiana</i>	7834	<i>Metarhizium anisopliae</i> sensu lato	7903	<i>Metarhizium anisopliae</i> sensu lato
7765	<i>Beauveria bassiana</i>	7835	<i>Metarhizium anisopliae</i> sensu lato	7904	<i>Metarhizium anisopliae</i> sensu lato
7766	<i>Beauveria bassiana</i>	7836	<i>Metarhizium anisopliae</i> sensu lato	7905	<i>Metarhizium anisopliae</i> sensu lato
7767	<i>Beauveria bassiana</i>	7837	<i>Metarhizium anisopliae</i> sensu lato	7906	<i>Metarhizium anisopliae</i> sensu lato
7768	<i>Beauveria bassiana</i>	7838	<i>Metarhizium anisopliae</i> sensu lato	7907	<i>Metarhizium anisopliae</i> sensu lato
7769	<i>Beauveria bassiana</i>	7839	<i>Metarhizium anisopliae</i> sensu lato	7908	<i>Metarhizium anisopliae</i> sensu lato
7770	<i>Beauveria bassiana</i>	7840	<i>Metarhizium anisopliae</i> sensu lato	7909	<i>Metarhizium anisopliae</i> sensu lato
7771	<i>Beauveria bassiana</i>	7841	<i>Metarhizium anisopliae</i> sensu lato	7910	<i>Metarhizium anisopliae</i> sensu lato
7772	<i>Beauveria bassiana</i>	7842	<i>Metarhizium anisopliae</i> sensu lato	7911	<i>Metarhizium anisopliae</i> sensu lato
7773	<i>Beauveria bassiana</i>	7843	<i>Metarhizium anisopliae</i> sensu lato	7912	<i>Metarhizium anisopliae</i> sensu lato
7774	<i>Beauveria bassiana</i>	7844	<i>Metarhizium anisopliae</i> sensu lato	7913	<i>Metarhizium anisopliae</i> sensu lato
7775	<i>Beauveria bassiana</i>	7845	<i>Metarhizium anisopliae</i> sensu lato	7914	<i>Metarhizium anisopliae</i> sensu lato
7776	<i>Beauveria bassiana</i>	7846	<i>Metarhizium anisopliae</i> sensu lato	7915	<i>Metarhizium anisopliae</i> sensu lato
7777	<i>Isaria farinosa</i>	7847	<i>Metarhizium anisopliae</i> sensu lato	7916	<i>Metarhizium anisopliae</i> sensu lato
7778	<i>Nomuraea rileyi</i>	7848	<i>Cordyceps</i> sp.	7917	<i>Metarhizium anisopliae</i> sensu lato
7779	<i>Nomuraea rileyi</i>	7849	<i>Lecanicillium</i> sp.	7918	<i>Metarhizium anisopliae</i> sensu lato
7780	<i>Nomuraea rileyi</i>	7850	<i>Cordyceps spegazzinii</i>	7919	<i>Metarhizium anisopliae</i> sensu lato
7781	<i>Lecanicillium muscarium</i>	7851	<i>Nomuraea</i> sp.	7920	<i>Metarhizium anisopliae</i> sensu lato
7782	<i>Lecanicillium muscarium</i>	7852	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i>	7921	<i>Metarhizium anisopliae</i> sensu lato
7783	<i>Lecanicillium longisporum</i>	7853	<i>Beauveria bassiana</i>	7922	<i>Conidiobolus coronatus</i>
7784	<i>Lecanicillium longisporum</i>	7854	<i>Metarhizium anisopliae</i> sensu lato	7923	<i>Lecanicillium longisporum</i>
7785	<i>Lecanicillium muscarium</i>	7855	<i>Metarhizium anisopliae</i> sensu lato	7924	<i>Sporothrix insectorum</i>
7786	<i>Conidiobolus</i> sp.	7856	<i>Metarhizium anisopliae</i> sensu lato	7925	<i>Metarhizium anisopliae</i> sensu lato
7787	<i>Leptolegnia chapmanii</i>	7857	<i>Metarhizium anisopliae</i> sensu lato	7926	<i>Metarhizium anisopliae</i> sensu lato
7788	<i>Zoophthora radicans</i>	7858	<i>Metarhizium anisopliae</i> sensu lato	7927	<i>Metarhizium anisopliae</i> sensu lato
7789	<i>Zoophthora radicans</i>	7859	<i>Metarhizium anisopliae</i> sensu lato	7928	<i>Metarhizium anisopliae</i> sensu lato
7790	<i>Isaria tenuipes</i>			7929	<i>Metarhizium pingshaense</i>

7930	Metarhizium anisopliae sensu lato	8000	Schizangiella serpentis	8070	Metarhizium anisopliae sensu lato
7931	Metarhizium anisopliae sensu lato	8001	Paecilomyces sp.	8071	Metarhizium anisopliae sensu lato
7932	Metarhizium anisopliae sensu lato	8002	Paecilomyces sp.	8072	Metarhizium anisopliae sensu lato
7933	Metarhizium anisopliae sensu lato	8003	Paecilomyces sp.	8073	Metarhizium anisopliae sensu lato
7934	Metarhizium anisopliae sensu lato	8004	Paecilomyces sp.	8074	Metarhizium anisopliae sensu lato
7935	Metarhizium anisopliae sensu lato	8005	Paecilomyces sp.	8075	Metarhizium anisopliae sensu lato
7936	Metarhizium anisopliae sensu lato	8006	Paecilomyces sp.	8076	Beauveria bassiana
7937	Pandora neoaphidis	8007	Paecilomyces sp.	8077	Beauveria bassiana
7938	Pandora neoaphidis	8008	Paecilomyces sp.	8078	Beauveria bassiana
7939	Pandora neoaphidis	8009	Elaphocordyceps capitata	8079	Beauveria bassiana
7940	Beauveria bassiana	8010	Ophiocordyceps heteropoda	8080	Metarhizium anisopliae sensu lato
7941	Beauveria bassiana	8011	Cordyceps militaris	8081	Metarhizium anisopliae sensu lato
7942	Conidiobolus sp.	8012	Cordyceps militaris	8082	Metarhizium anisopliae sensu lato
7943	Unidentified / Zygomycetes	8013	Elaphocordyceps ophioglossoides	8083	Metarhizium anisopliae sensu lato
7944	Conidiobolus iuxtagenitus	8014	Metarhizium anisopliae sensu lato	8084	Metarhizium anisopliae sensu lato
7945	Ascospaera larvis	8015	Metarhizium anisopliae sensu lato	8085	Metarhizium anisopliae sensu lato
7946	Ascospaera larvis	8016	Isaria farinosa	8086	Metarhizium anisopliae sensu lato
7947	Beauveria bassiana	8017	Isaria farinosa	8087	Metarhizium anisopliae sensu lato
7948	Beauveria bassiana	8018	Isaria farinosa	8088	Metarhizium anisopliae sensu lato
7949	Beauveria bassiana	8019	Isaria farinosa	8089	Metarhizium anisopliae sensu lato
7950	Beauveria bassiana	8020	Isaria farinosa	8090	Metarhizium anisopliae sensu lato
7951	Beauveria bassiana	8021	Isaria farinosa	8091	Metarhizium anisopliae sensu lato
7952	Beauveria bassiana	8022	Isaria farinosa	8092	Metarhizium anisopliae sensu lato
7953	Beauveria bassiana	8023	Conidiobolus coronatus	8093	Metarhizium anisopliae sensu lato
7954	Beauveria bassiana	8024	Beauveria caledonica	8094	Metarhizium anisopliae sensu lato
7955	Beauveria bassiana	8025	Beauveria bassiana	8095	Metarhizium anisopliae sensu lato
7956	Beauveria bassiana	8026	Beauveria bassiana	8096	Metarhizium anisopliae sensu lato
7957	Beauveria bassiana	8027	Beauveria bassiana	8097	Metarhizium anisopliae sensu lato
7958	Beauveria bassiana	8028	Beauveria bassiana	8098	Metarhizium anisopliae sensu lato
7959	Beauveria bassiana	8029	Beauveria bassiana	8099	Metarhizium anisopliae sensu lato
7960	Beauveria sp.	8030	Beauveria bassiana	8100	Metarhizium anisopliae sensu lato
7961	Isaria farinosa	8031	Beauveria bassiana	8101	Metarhizium anisopliae sensu lato
7962	Isaria farinosa	8032	Beauveria bassiana	8102	Metarhizium anisopliae sensu lato
7963	Beauveria bassiana	8033	Beauveria bassiana	8103	Metarhizium anisopliae sensu lato
7964	Beauveria bassiana	8034	Beauveria brongniartii	8104	Metarhizium anisopliae sensu lato
7965	Beauveria bassiana	8035	Beauveria bassiana	8105	Metarhizium anisopliae sensu lato
7966	Beauveria bassiana	8036	Beauveria bassiana	8106	Metarhizium anisopliae sensu lato
7967	Metarhizium anisopliae sensu lato	8037	Beauveria bassiana	8107	Metarhizium anisopliae sensu lato
7968	Beauveria bassiana	8038	Beauveria bassiana	8108	Metarhizium anisopliae sensu lato
7969	Beauveria bassiana	8039	Beauveria bassiana	8109	Metarhizium anisopliae sensu lato
7970	Metarhizium anisopliae var. acridum	8040	Beauveria bassiana	8110	Beauveria sp.
7971	Beauveria bassiana	8041	Lecanicillium muscarium	8111	Beauveria sp.
7972	Beauveria bassiana	8042	Lecanicillium longisporum	8112	Beauveria sp.
7973	Isaria cicadae(?)	8043	Cylindrocarpon sp.	8113	Beauveria sp.
7974	Penicillium sp.	8044	Cylindrocarpon sp.	8114	Lecanicillium muscarium
7975	Aspergillus niger(?)	8045	Beauveria pseudobassiana	8115	Lecanicillium lecanii
7976	Penicillium sp.	8046	Beauveria pseudobassiana	8116	Beauveria sp.
7977	Beauveria bassiana	8047	Schizangiella serpentis	8117	Beauveria sp.
7978	Beauveria bassiana	8048	Lecanicillium muscarium	8118	Lecanicillium muscarium
7979	Metarhizium anisopliae sensu stricto	8049	Lecanicillium muscarium	8119	Beauveria sp.
7980	Metarhizium anisopliae sensu stricto	8050	Lecanicillium muscarium	8120	Beauveria sp.
7981	Metarhizium anisopliae sensu stricto	8051	Lecanicillium muscarium	8121	Beauveria sp.
7982	Beauveria sp.	8052	Lecanicillium muscarium	8122	Beauveria sp.
7983	Beauveria bassiana	8053	Lecanicillium muscarium	8123	Beauveria sp.
7984	Beauveria bassiana	8054	Lecanicillium muscarium	8124	Beauveria sp.
7985	Lecanicillium aphanocladii(?)	8055	Lecanicillium pissodis	8125	Beauveria sp.
7986	Lecanicillium aphanocladii(?)	8056	Lecanicillium pissodis	8126	Beauveria sp.
7987	Lecanicillium aphanocladii(?)	8057	Lecanicillium pissodis	8127	Beauveria sp.
7988	Simplicillium lanosoniveum(?)	8058	Evlachovaea kintrischica	8128	Beauveria sp.
7989	Simplicillium lamellicola(?)	8059	Metarhizium anisopliae sensu lato	8129	Beauveria sp.
7990	Evlachovaea sp.	8060	Metarhizium anisopliae sensu lato	8130	Beauveria sp.
7991	Evlachovaea sp.	8061	Metarhizium anisopliae sensu lato	8131	Fusarium sp.
7992	Evlachovaea sp.	8062	Metarhizium anisopliae sensu lato	8132	Beauveria sp.
7993	Evlachovaea sp.	8063	Metarhizium anisopliae sensu lato	8133	Beauveria sp.
7994	Lecanicillium muscarium	8064	Metarhizium anisopliae sensu lato	8134	Beauveria sp.
7995	Paecilomyces sp.	8065	Beauveria bassiana	8135	Beauveria sp.
7996	Paecilomyces sp.	8066	Beauveria bassiana	8136	Beauveria sp.
7997	Paecilomyces sp.	8067	Metarhizium anisopliae sensu lato	8137	Beauveria sp.
7998	Paecilomyces sp.	8068	Metarhizium anisopliae sensu lato	8138	Beauveria sp.
7999	Paecilomyces sp.	8069	Metarhizium anisopliae sensu lato	8139	Beauveria sp.

8140	<i>Beauveria</i> sp.	8210	<i>Beauveria</i> bassiana	8280	<i>Aspergillus</i> sp.
8141	<i>Beauveria</i> sp.	8211	<i>Beauveria</i> bassiana	8281	<i>Fusarium</i> sp.
8142	<i>Isaria fumosorosea</i>	8212	<i>Metarhizium anisopliae</i> sensu lato	8282	<i>Fusarium</i> sp.
8143	<i>Beauveria</i> sp.	8213	<i>Beauveria</i> bassiana	8283	<i>Fusarium</i> sp.
8144	<i>Beauveria</i> sp.	8214	<i>Metarhizium flavoviride</i> var. <i>no-vazealandicum</i>	8284	<i>Aspergillus</i> sp.
8145	<i>Beauveria</i> sp.	8215	<i>Metarhizium anisopliae</i> sensu lato	8285	<i>Fusarium</i> sp.
8146	<i>Beauveria</i> sp.	8216	<i>Metarhizium anisopliae</i> sensu lato	8286	<i>Fusarium</i> sp.
8147	<i>Beauveria</i> sp.	8217	<i>Metarhizium anisopliae</i> sensu lato	8287	<i>Fusarium</i> sp.
8148	<i>Beauveria</i> sp.	8218	<i>Metarhizium anisopliae</i> sensu lato	8288	<i>Fusarium</i> sp.
8149	<i>Beauveria</i> sp.	8219	<i>Metarhizium anisopliae</i> sensu lato	8289	<i>Aspergillus flavus</i>
8150	<i>Beauveria</i> sp.	8220	<i>Metarhizium anisopliae</i> sensu lato	8290	<i>Fusarium</i> sp.
8151	<i>Beauveria</i> sp.	8221	<i>Metarhizium anisopliae</i> sensu lato	8291	<i>Fusarium lateritium</i>
8152	<i>Beauveria</i> sp.	8222	<i>Metarhizium anisopliae</i> sensu lato	8292	<i>Aspergillus</i> sp.
8153	<i>Beauveria</i> sp.	8223	<i>Metarhizium anisopliae</i> sensu lato	8293	<i>Lecanicillium lecanii</i> (?)
8154	<i>Beauveria</i> sp.	8224	<i>Metarhizium anisopliae</i> sensu lato	8294	<i>Lecanicillium lecanii</i> (?)
8155	Unidentified / <i>Hyphomycetes</i>	8225	<i>Metarhizium anisopliae</i> sensu lato	8295	<i>Lecanicillium lecanii</i>
8156	<i>Beauveria</i> sp.	8226	<i>Metarhizium anisopliae</i> sensu lato	8296	<i>Lecanicillium muscarium</i>
8157	<i>Lecanicillium muscarium</i>	8227	<i>Metarhizium anisopliae</i> sensu lato	8297	<i>Lecanicillium longisporum</i>
8158	<i>Beauveria</i> sp.	8228	<i>Metarhizium anisopliae</i> sensu lato	8298	<i>Fusarium</i> sp.
8159	<i>Beauveria</i> sp.	8229	<i>Metarhizium anisopliae</i> sensu lato	8299	<i>Fusarium</i> sp.
8160	<i>Beauveria</i> sp.	8230	<i>Metarhizium anisopliae</i> sensu lato	8300	<i>Fusarium</i> sp.
8161	<i>Beauveria</i> sp.	8231	<i>Metarhizium anisopliae</i> sensu lato	8301	<i>Fusarium</i> sp.
8162	<i>Lecanicillium muscarium</i> (?)	8232	<i>Metarhizium anisopliae</i> sensu lato	8302	<i>Fusarium</i> sp.
8163	<i>Lecanicillium muscarium</i>	8233	<i>Metarhizium anisopliae</i> sensu lato	8303	<i>Fusarium</i> sp.
8164	<i>Beauveria</i> sp.	8234	<i>Metarhizium anisopliae</i> sensu lato	8304	<i>Fusarium</i> sp.
8165	<i>Lecanicillium muscarium</i>	8235	<i>Metarhizium anisopliae</i> sensu lato	8305	<i>Fusarium</i> sp.
8166	<i>Beauveria</i> sp.	8236	<i>Metarhizium anisopliae</i> sensu lato	8306	<i>Fusarium</i> sp.
8167	<i>Beauveria</i> sp.	8237	<i>Beauveria</i> bassiana	8307	<i>Basidiobolus haptosporus</i>
8168	<i>Beauveria</i> sp.	8238	<i>Beauveria</i> bassiana	8308	<i>Basidiobolus ranarum</i>
8169	<i>Beauveria</i> sp.	8239	<i>Beauveria</i> bassiana	8309	<i>Basidiobolus haptosporus</i>
8170	<i>Beauveria</i> sp.	8240	<i>Beauveria</i> bassiana	8310	<i>Isaria cateniannulata</i>
8171	<i>Beauveria</i> sp.	8241	<i>Beauveria</i> bassiana	8311	<i>Purpureocillium lilacinum</i>
8172	<i>Beauveria</i> sp.	8242	<i>Beauveria</i> bassiana	8312	<i>Purpureocillium lilacinum</i>
8173	<i>Beauveria</i> sp.	8243	<i>Beauveria</i> bassiana	8313	<i>Conidiobolus</i> sp.
8174	<i>Beauveria</i> sp.	8244	<i>Beauveria</i> bassiana	8314	<i>Conidiobolus</i> sp.
8175	<i>Beauveria</i> sp.	8245	<i>Beauveria</i> bassiana	8315	<i>Hirsutella citriformis</i>
8176	<i>Beauveria</i> sp.	8246	<i>Beauveria</i> bassiana	8316	<i>Paecilomyces</i> sp.
8177	<i>Beauveria</i> sp.	8247	<i>Beauveria</i> bassiana	8317	<i>Beauveria</i> bassiana
8178	<i>Beauveria</i> sp.	8248	<i>Metarhizium anisopliae</i> sensu lato	8318	<i>Beauveria</i> bassiana
8179	Unidentified / <i>Hyphomycetes</i>	8249	<i>Metarhizium anisopliae</i> sensu lato	8319	<i>Metarhizium anisopliae</i> sensu lato
8180	<i>Beauveria</i> sp.	8250	<i>Beauveria</i> sp.	8320	<i>Conidiobolus adiaeretus</i>
8181	<i>Beauveria</i> sp.	8251	<i>Isaria farinosa</i>	8321	<i>Metarhizium robertsii</i>
8182	<i>Beauveria</i> sp.	8252	<i>Isaria farinosa</i>	8322	<i>Metarhizium robertsii</i>
8183	Unidentified / <i>Hyphomycetes</i>	8253	<i>Beauveria</i> bassiana	8323	<i>Metarhizium anisopliae</i> sensu lato
8184	Unidentified / <i>Hyphomycetes</i>	8254	<i>Beauveria pseudobassiana</i>	8324	<i>Metarhizium anisopliae</i> sensu lato
8185	<i>Beauveria</i> sp.	8255	<i>Beauveria</i> bassiana	8325	<i>Metarhizium anisopliae</i> sensu lato
8186	<i>Beauveria</i> sp.	8256	<i>Beauveria pseudobassiana</i>	8326	<i>Metarhizium anisopliae</i> sensu lato
8187	<i>Beauveria</i> sp.	8257	<i>Beauveria varroae</i>	8327	<i>Metarhizium anisopliae</i> sensu lato
8188	<i>Beauveria</i> sp.	8258	<i>Beauveria pseudobassiana</i>	8328	<i>Basidiobolus ranarum</i>
8189	<i>Beauveria bassiana</i>	8259	<i>Beauveria varroae</i>	8329	<i>Basidiobolus meristosporus</i>
8190	<i>Beauveria bassiana</i>	8260	<i>Beauveria bassiana</i>	8330	<i>Basidiobolus magnus</i>
8191	<i>Beauveria bassiana</i>	8261	<i>Beauveria bassiana</i>	8331	<i>Basidiobolus haptosporus</i> var. <i>minor</i>
8192	<i>Beauveria bassiana</i>	8262	<i>Beauveria bassiana</i>	8332	<i>Basidiobolus heterosporus</i>
8193	<i>Beauveria bassiana</i>	8263	<i>Beauveria bassiana</i>	8333	<i>Isaria fumosorosea</i>
8194	<i>Beauveria bassiana</i>	8265	<i>Lecanicillium muscarium</i> (?)	8334	<i>Metarhizium anisopliae</i> sensu lato
8195	<i>Beauveria bassiana</i>	8266	<i>Fusarium</i> sp.	8335	<i>Metarhizium anisopliae</i> sensu lato
8196	<i>Metarhizium anisopliae</i> sensu lato	8267	<i>Fusarium</i> sp.	8336	<i>Metarhizium anisopliae</i> sensu lato
8197	<i>Metarhizium anisopliae</i> sensu lato	8268	<i>Purpureocillium lilacinum</i>	8337	<i>Isaria fumosorosea</i>
8198	<i>Metarhizium anisopliae</i> sensu lato	8269	<i>Purpureocillium lilacinum</i>	8338	<i>Metarhizium anisopliae</i> sensu lato
8199	<i>Metarhizium anisopliae</i> sensu lato	8270	<i>Metarhizium anisopliae</i> sensu lato	8339	<i>Beauveria bassiana</i>
8200	<i>Aschersonia</i> sp.	8271	<i>Beauveria</i> bassiana	8340	<i>Beauveria bassiana</i>
8201	<i>Beauveria bassiana</i>	8272	<i>Beauveria</i> bassiana	8341	<i>Metarhizium anisopliae</i> sensu lato
8202	<i>Beauveria bassiana</i>	8273	<i>Beauveria bassiana</i>	8342	<i>Metarhizium anisopliae</i> sensu lato
8203	<i>Beauveria bassiana</i>	8274	<i>Beauveria bassiana</i>	8343	<i>Beauveria bassiana</i>
8204	<i>Beauveria bassiana</i>	8275	<i>Beauveria bassiana</i>	8344	<i>Metarhizium anisopliae</i> sensu lato
8205	<i>Beauveria bassiana</i>	8276	<i>Beauveria bassiana</i>	8345	<i>Isaria fumosorosea</i>
8206	<i>Beauveria bassiana</i>	8277	<i>Fusarium</i> sp.	8346	<i>Metarhizium anisopliae</i> sensu lato
8207	<i>Beauveria bassiana</i>	8278	<i>Fusarium</i> sp.	8347	<i>Metarhizium anisopliae</i> sensu lato
8208	<i>Beauveria bassiana</i>	8279	<i>Fusarium</i> sp.	8348	<i>Isaria fumosorosea</i>
8209	<i>Beauveria bassiana</i>			8349	<i>Beauveria bassiana</i>

8350	<i>Metarhizium anisopliae</i> sensu lato	8420	<i>Metarhizium pingshaense</i>	8491	<i>Evlachovaea</i> sp.
8351	<i>Metarhizium anisopliae</i> sensu lato	8421	<i>Scopulariopsis</i> sp.	8492	<i>Metarhizium anisopliae</i> sensu lato
8352	<i>Metarhizium anisopliae</i> sensu lato	8422	<i>Scopulariopsis</i> sp.	8493	<i>Beauveria bassiana</i>
8353	<i>Metarhizium anisopliae</i> sensu lato	8423	<i>Scopulariopsis</i> sp.	8494	<i>Beauveria bassiana</i>
8354	<i>Beauveria bassiana</i>	8424	<i>Harposporium microsporium</i>	8495	<i>Metarhizium anisopliae</i> sensu lato
8355	<i>Beauveria bassiana</i>	8425	<i>Harposporium lilliputanum</i>	8496	<i>Metarhizium anisopliae</i> sensu lato
8356	<i>Beauveria bassiana</i>	8426	<i>Harposporium oxycoracum</i>	8497	<i>Metarhizium anisopliae</i> sensu lato
8357	<i>Metarhizium anisopliae</i> sensu lato	8427	<i>Conidiobolus adiaeretus</i>	8498	<i>Metarhizium anisopliae</i> sensu lato
8358	<i>Metarhizium anisopliae</i> sensu lato	8428	<i>Conidiobolus megalotocus</i>	8499	<i>Metarhizium anisopliae</i> sensu lato
8359	<i>Metarhizium anisopliae</i> var. <i>acidum</i>	8429	<i>Conidiobolus</i> sp.	8500	<i>Metarhizium anisopliae</i> sensu lato
8360	<i>Metarhizium anisopliae</i> var. <i>acidum</i>	8430	<i>Conidiobolus stromoideus</i>	8501	<i>Metarhizium anisopliae</i> sensu lato
8361	<i>Hypocrella panamensis</i>	8431	<i>Beauveria bassiana</i>	8502	<i>Metarhizium anisopliae</i> sensu lato
8362	<i>Metarhizium anisopliae</i> sensu lato	8432	<i>Metarhizium anisopliae</i> sensu lato	8503	<i>Metarhizium anisopliae</i> sensu lato
8363	<i>Metarhizium anisopliae</i> sensu lato	8433	<i>Metarhizium anisopliae</i> sensu lato	8504	<i>Metarhizium anisopliae</i> sensu lato
8364	<i>Metarhizium anisopliae</i> sensu lato	8434	<i>Metarhizium anisopliae</i> sensu lato	8505	<i>Metarhizium anisopliae</i> sensu lato
8365	<i>Metarhizium anisopliae</i> sensu lato	8435	<i>Metarhizium anisopliae</i> sensu lato	8506	<i>Metarhizium anisopliae</i> sensu lato
8366	<i>Metarhizium anisopliae</i> sensu lato	8436	<i>Metarhizium anisopliae</i> sensu lato	8507	<i>Metarhizium anisopliae</i> sensu lato
8367	<i>Metarhizium anisopliae</i> sensu lato	8437	<i>Metarhizium anisopliae</i> sensu lato	8508	<i>Metarhizium anisopliae</i> sensu lato
8368	<i>Beauveria bassiana</i>	8438	<i>Metarhizium anisopliae</i> sensu lato	8509	<i>Metarhizium anisopliae</i> sensu lato
8369	<i>Beauveria bassiana</i>	8439	<i>Evlachovaea</i> sp.	8510	<i>Metarhizium anisopliae</i> sensu lato
8370	<i>Beauveria bassiana</i>	8440	<i>Metarhizium anisopliae</i> sensu lato	8511	<i>Metarhizium anisopliae</i> sensu lato
8371	<i>Beauveria bassiana</i>	8441	<i>Evlachovaea</i> sp.	8512	<i>Metarhizium anisopliae</i> sensu lato
8372	<i>Beauveria bassiana</i>	8442	<i>Evlachovaea</i> sp.	8513	<i>Metarhizium anisopliae</i> sensu lato
8373	<i>Beauveria bassiana</i>	8443	<i>Metarhizium anisopliae</i> sensu lato	8514	<i>Metarhizium anisopliae</i> sensu lato
8374	<i>Beauveria bassiana</i>	8444	<i>Beauveria bassiana</i>	8515	<i>Metarhizium anisopliae</i> sensu lato
8375	<i>Metarhizium anisopliae</i> sensu lato	8445	<i>Metarhizium anisopliae</i> sensu lato	8516	<i>Metarhizium anisopliae</i> sensu lato
8376	<i>Metarhizium anisopliae</i> sensu lato	8446	<i>Metarhizium anisopliae</i> sensu lato	8517	<i>Metarhizium anisopliae</i> sensu lato
8377	<i>Metarhizium anisopliae</i> sensu lato	8447	<i>Metarhizium anisopliae</i> sensu lato	8518	<i>Metarhizium anisopliae</i> sensu lato
8378	<i>Hirsutella</i> sp.	8448	<i>Isaria fumosorosea</i>	8519	<i>Aspergillus</i> sp.
8379	<i>Aspergillus sydowii</i>	8449	<i>Evlachovaea</i> sp.	8520	<i>Beauveria bassiana</i>
8380	<i>Aspergillus sydowii</i>	8450	<i>Metarhizium anisopliae</i> sensu lato	8521	<i>Beauveria bassiana</i>
8381	<i>Aspergillus sydowii</i>	8451	<i>Metarhizium anisopliae</i> sensu lato	8522	<i>Beauveria bassiana</i>
8382	<i>Aspergillus sydowii</i>	8452	<i>Metarhizium anisopliae</i> sensu lato	8523	<i>Beauveria bassiana</i>
8383	<i>Beauveria bassiana</i>	8453	<i>Metarhizium anisopliae</i> sensu lato	8524	<i>Beauveria bassiana</i>
8384	<i>Beauveria bassiana</i>	8454	<i>Metarhizium anisopliae</i> sensu lato	8525	<i>Beauveria bassiana</i>
8385	<i>Beauveria bassiana</i>	8455	<i>Conidiobolus coronatus</i>	8526	<i>Beauveria bassiana</i>
8386	<i>Beauveria bassiana</i>	8456	<i>Purpureocillium lilacinum</i>	8527	<i>Metarhizium anisopliae</i> sensu lato
8387	<i>Beauveria bassiana</i>	8457	<i>Aphanocladium</i> sp.	8528	<i>Beauveria bassiana</i>
8388	<i>Beauveria bassiana</i>	8458	<i>Aphanocladium</i> sp.	8529	<i>Beauveria bassiana</i>
8389	<i>Beauveria bassiana</i>	8459	<i>Beauveria bassiana</i>	8530	<i>Beauveria bassiana</i>
8390	<i>Beauveria bassiana</i>	8460	<i>Beauveria bassiana</i>	8531	<i>Metarhizium anisopliae</i> sensu lato
8391	<i>Beauveria bassiana</i>	8461	<i>Beauveria bassiana</i>	8532	<i>Metarhizium anisopliae</i> sensu lato
8392	<i>Beauveria bassiana</i>	8462	<i>Beauveria bassiana</i>	8533	<i>Metarhizium anisopliae</i> sensu lato
8393	<i>Beauveria bassiana</i>	8463	<i>Beauveria bassiana</i>	8534	<i>Metarhizium anisopliae</i> sensu lato
8394	<i>Beauveria bassiana</i>	8464	<i>Beauveria bassiana</i>	8535	<i>Metarhizium anisopliae</i> sensu lato
8395	<i>Beauveria bassiana</i>	8465	<i>Beauveria bassiana</i>	8536	<i>Metarhizium anisopliae</i> sensu lato
8396	<i>Beauveria bassiana</i>	8466	<i>Zoopthora radicans</i>	8537	<i>Metarhizium anisopliae</i> sensu lato
8397	<i>Beauveria bassiana</i>	8467	<i>Gliocladium</i> sp.	8538	<i>Metarhizium anisopliae</i> sensu lato
8398	<i>Beauveria bassiana</i>	8468	<i>Lecanicillium psalliotae</i>	8539	<i>Metarhizium anisopliae</i> sensu lato
8399	<i>Beauveria bassiana</i>	8469	<i>Evlachovaea</i> sp.	8540	<i>Metarhizium anisopliae</i> sensu lato
8400	<i>Beauveria bassiana</i>	8470	<i>Trichoderma</i> sp.	8541	<i>Metarhizium anisopliae</i> sensu lato
8401	<i>Beauveria bassiana</i>	8472	<i>Fusarium</i> sp.	8542	<i>Metarhizium anisopliae</i> sensu lato
8402	<i>Beauveria bassiana</i>	8473	<i>Fusarium</i> sp.	8543	<i>Metarhizium anisopliae</i> sensu lato
8403	<i>Beauveria bassiana</i>	8474	<i>Evlachovaea</i> sp.	8544	<i>Metarhizium anisopliae</i> sensu lato
8404	<i>Beauveria bassiana</i>	8475	<i>Beauveria bassiana</i>	8545	<i>Metarhizium anisopliae</i> sensu lato
8405	<i>Beauveria bassiana</i>	8476	<i>Lecanicillium</i> sp.	8546	<i>Metarhizium anisopliae</i> sensu lato
8406	<i>Beauveria bassiana</i>	8477	<i>Purpureocillium lilacinum</i>	8547	<i>Metarhizium anisopliae</i> sensu lato
8407	<i>Beauveria bassiana</i>	8478	<i>Pochonia chlamydosporia</i>	8548	<i>Metarhizium anisopliae</i> sensu lato
8408	<i>Beauveria bassiana</i>	8479	<i>Evlachovaea</i> sp.	8549	<i>Metarhizium anisopliae</i> sensu lato
8409	<i>Beauveria bassiana</i>	8480	Unidentified / <i>Hypomyces</i>	8550	<i>Metarhizium anisopliae</i> sensu lato
8410	<i>Beauveria bassiana</i>	8481	<i>Fusarium</i> sp.	8551	<i>Metarhizium anisopliae</i> sensu lato
8411	<i>Isaria farinosa</i>	8482	<i>Fusarium</i> sp.	8552	<i>Metarhizium anisopliae</i> sensu lato
8412	<i>Beauveria bassiana</i>	8483	<i>Purpureocillium lilacinum</i>	8553	<i>Metarhizium anisopliae</i> sensu lato
8413	<i>Beauveria bassiana</i>	8484	<i>Fusarium</i> sp.	8554	<i>Metarhizium anisopliae</i> sensu lato
8414	<i>Beauveria bassiana</i>	8485	<i>Evlachovaea</i> sp.	8555	<i>Metarhizium anisopliae</i> sensu lato
8415	<i>Metarhizium brunneum</i>	8486	<i>Evlachovaea</i> sp.	8556	<i>Metarhizium anisopliae</i> sensu lato
8416	<i>Metarhizium brunneum</i>	8487	<i>Evlachovaea</i> sp.	8557	<i>Metarhizium anisopliae</i> sensu lato
8417	<i>Metarhizium brunneum</i>	8488	<i>Evlachovaea</i> sp.	8558	<i>Metarhizium anisopliae</i> sensu lato
8418	<i>Metarhizium brunneum</i>	8489	<i>Evlachovaea</i> sp.	8559	<i>Metarhizium anisopliae</i> sensu lato
8419	<i>Metarhizium brunneum</i>	8490	<i>Evlachovaea</i> sp.	8560	<i>Metarhizium anisopliae</i> sensu lato

8561	Metarhizium anisopliae sensu lato	8631	Metarhizium anisopliae sensu lato	8701	Metarhizium anisopliae sensu lato
8562	Metarhizium anisopliae sensu lato	8632	Metarhizium anisopliae sensu lato	8702	Metarhizium anisopliae sensu lato
8563	Metarhizium anisopliae sensu lato	8633	Aspergillus sp.	8703	Metarhizium anisopliae sensu lato
8564	Metarhizium anisopliae sensu lato	8634	Trichoderma sp.	8704	Beauveria bassiana
8565	Metarhizium anisopliae sensu lato	8635	Beauveria bassiana	8705	Beauveria bassiana
8566	Metarhizium anisopliae sensu lato	8636	Beauveria bassiana	8706	Beauveria bassiana
8567	Metarhizium anisopliae sensu lato	8637	Beauveria bassiana	8707	Beauveria bassiana
8568	Metarhizium anisopliae sensu lato	8638	Beauveria bassiana	8708	Beauveria bassiana
8569	Metarhizium anisopliae sensu lato	8639	Lecanicillium sp.	8709	Beauveria bassiana
8570	Metarhizium anisopliae sensu lato	8640	Unidentified / Hyphomycetes	8710	Beauveria bassiana
8571	Metarhizium anisopliae sensu lato	8641	Unidentified / Hyphomycetes	8711	Beauveria bassiana
8572	Metarhizium anisopliae sensu lato	8642	Lecanicillium muscarium	8712	Beauveria bassiana
8573	Metarhizium anisopliae sensu lato	8643	Fusarium sp.	8713	Beauveria bassiana
8574	Metarhizium anisopliae sensu lato	8644	Fusarium sp.	8714	Lecanicillium muscarium
8575	Metarhizium anisopliae sensu lato	8645	Fusarium sp.	8715	Conidiobolus coronatus
8576	Metarhizium anisopliae sensu lato	8646	Fusarium sp.	8716	Isaria fumosorosea
8577	Metarhizium anisopliae sensu lato	8647	Fusarium sp.	8717	Isaria fumosorosea
8578	Beauveria bassiana	8648	Fusarium sp.	8718	Isaria fumosorosea
8579	Beauveria bassiana	8649	Fusarium sp.	8719	Isaria fumosorosea
8580	Metarhizium anisopliae sensu lato	8650	Fusarium sp.	8720	Isaria fumosorosea
8581	Metarhizium anisopliae sensu lato	8651	Fusarium sp.	8721	Isaria fumosorosea
8582	Metarhizium anisopliae sensu lato	8652	Fusarium sp.	8722	Hirsutella sp.
8583	Metarhizium anisopliae sensu lato	8653	Metarhizium anisopliae sensu lato	8723	Isaria fumosorosea
8584	Metarhizium anisopliae sensu lato	8654	Metarhizium anisopliae sensu lato	8724	Isaria fumosorosea
8585	Metarhizium anisopliae sensu lato	8655	Metarhizium anisopliae sensu lato	8725	Isaria fumosorosea
8586	Metarhizium anisopliae sensu lato	8656	Metarhizium anisopliae sensu lato	8726	Isaria fumosorosea
8587	Metarhizium anisopliae sensu lato	8657	Metarhizium anisopliae sensu lato	8727	Isaria fumosorosea
8588	Metarhizium anisopliae sensu lato	8658	Metarhizium anisopliae sensu lato	8728	Isaria fumosorosea
8589	Metarhizium anisopliae sensu lato	8659	Metarhizium anisopliae sensu lato	8729	Isaria fumosorosea
8590	Metarhizium anisopliae sensu lato	8660	Metarhizium anisopliae sensu lato	8730	Isaria fumosorosea
8591	Metarhizium anisopliae sensu lato	8661	Beauveria bassiana	8731	Metarhizium anisopliae sensu lato
8592	Metarhizium anisopliae sensu lato	8662	Metarhizium anisopliae sensu lato	8732	Metarhizium anisopliae var. lepidiotae
8593	Metarhizium anisopliae sensu lato	8663	Beauveria bassiana	8733	Metarhizium anisopliae sensu lato
8594	Metarhizium anisopliae sensu lato	8664	Beauveria bassiana	8734	Metarhizium anisopliae sensu lato
8595	Metarhizium anisopliae sensu lato	8665	Metarhizium anisopliae sensu lato	8735	Metarhizium anisopliae sensu lato
8596	Metarhizium anisopliae sensu lato	8666	Beauveria bassiana	8736	Metarhizium anisopliae var. majus
8597	Metarhizium anisopliae sensu lato	8667	Beauveria bassiana	8737	Metarhizium flavoviride
8598	Unidentified / Hyphomycetes	8668	Beauveria bassiana	8738	Metarhizium anisopliae sensu lato
8599	Isaria farinosa	8669	Metarhizium anisopliae sensu lato	8739	Metarhizium anisopliae sensu lato
8600	Purpureocillium lilacinum	8670	Beauveria bassiana	8740	Metarhizium anisopliae sensu lato
8601	Beauveria bassiana	8671	Metarhizium brunneum	8741	Metarhizium anisopliae sensu lato
8602	Beauveria bassiana	8672	Beauveria bassiana	8742	Metarhizium anisopliae sensu lato
8603	Metarhizium anisopliae sensu lato	8673	Beauveria bassiana	8743	Metarhizium anisopliae sensu lato
8604	Metarhizium anisopliae sensu lato	8674	Beauveria bassiana	8744	Metarhizium anisopliae sensu lato
8605	Metarhizium anisopliae sensu lato	8675	Beauveria sp.	8745	Metarhizium anisopliae sensu lato
8606	Furia ithacensis	8676	Metarhizopsis microspora	8746	Metarhizium anisopliae sensu lato
8607	Pandora neoaphidis	8677	Hirsutella citriformis	8747	Metarhizium anisopliae sensu lato
8608	Metarhizium anisopliae sensu lato	8678	Hirsutella citriformis	8748	Metarhizium anisopliae sensu lato
8609	Metarhizium anisopliae sensu lato	8679	Hirsutella citriformis	8749	Metarhizium anisopliae sensu lato
8610	Metarhizium anisopliae sensu lato	8680	Metarhizium anisopliae sensu lato	8750	Metarhizium flavoviride var. novazealandicum
8611	Metarhizium anisopliae sensu lato	8681	Metarhizium anisopliae sensu lato	8751	Beauveria bassiana
8612	Metarhizium anisopliae sensu lato	8682	Metarhizium anisopliae sensu lato	8752	Beauveria bassiana
8613	Metarhizium anisopliae sensu lato	8683	Metarhizium anisopliae sensu lato	8753	Beauveria bassiana
8614	Metarhizium anisopliae sensu lato	8684	Metarhizium anisopliae sensu lato	8754	Metarhizium anisopliae sensu lato
8615	Metarhizium anisopliae sensu lato	8685	Metarhizium anisopliae sensu lato	8755	Metarhizium anisopliae sensu lato
8616	Metarhizium anisopliae sensu lato	8686	Metarhizium anisopliae sensu lato	8756	Beauveria bassiana
8617	Metarhizium anisopliae sensu lato	8687	Metarhizium anisopliae sensu lato	8757	Beauveria bassiana
8618	Metarhizium anisopliae sensu lato	8688	Metarhizium anisopliae sensu lato	8758	Metarhizium flavoviride
8619	Metarhizium anisopliae sensu lato	8689	Metarhizium anisopliae sensu lato	8759	Metarhizium anisopliae sensu lato
8620	Metarhizium anisopliae sensu lato	8690	Metarhizium anisopliae sensu lato	8760	Metarhizium anisopliae sensu lato
8621	Metarhizium anisopliae sensu lato	8691	Metarhizium anisopliae sensu lato	8761	Metarhizium anisopliae sensu lato
8622	Metarhizium anisopliae sensu lato	8692	Metarhizium anisopliae sensu lato	8762	Metarhizium anisopliae sensu lato
8623	Metarhizium anisopliae sensu lato	8693	Metarhizium anisopliae sensu lato	8763	Beauveria bassiana
8624	Metarhizium anisopliae sensu lato	8694	Beauveria bassiana	8764	Metarhizium anisopliae sensu lato
8625	Metarhizium anisopliae sensu lato	8695	Beauveria bassiana	8765	Metarhizium anisopliae sensu lato
8626	Metarhizium anisopliae sensu lato	8696	Metarhizium anisopliae sensu lato	8766	Metarhizium anisopliae sensu lato
8627	Metarhizium anisopliae sensu lato	8697	Beauveria bassiana	8767	Metarhizium anisopliae sensu lato
8628	Metarhizium anisopliae sensu lato	8698	Metarhizium anisopliae sensu lato	8768	Metarhizium anisopliae sensu lato
8629	Metarhizium anisopliae sensu lato	8699	Metarhizium sp.		
8630	Metarhizium anisopliae sensu lato	8700	Metarhizium anisopliae sensu lato		

8769	Metarhizium anisopliae sensu lato	8839	Metarhizium anisopliae sensu lato	8909	Metarhizium anisopliae sensu lato
8770	Isaria farinosa	8840	Isaria fumosorosea	8910	Metarhizium anisopliae sensu lato
8771	Beauveria bassiana	8841	Metarhizium anisopliae sensu lato	8911	Metarhizium anisopliae sensu lato
8772	Beauveria bassiana	8842	Metarhizium anisopliae sensu lato	8912	Metarhizium anisopliae sensu lato
8773	Beauveria bassiana	8843	Beauveria bassiana	8913	Metarhizium anisopliae sensu lato
8774	Beauveria bassiana	8844	Metarhizium anisopliae sensu lato	8914	Metarhizium anisopliae sensu lato
8775	Metarhizium anisopliae sensu lato	8845	Metarhizium anisopliae sensu lato	8915	Metarhizium anisopliae sensu lato
8776	Metarhizium anisopliae sensu lato	8846	Beauveria bassiana	8916	Metarhizium anisopliae sensu lato
8777	Metarhizium anisopliae sensu lato	8847	Metarhizium anisopliae sensu lato	8917	Isaria farinosa
8778	Metarhizium anisopliae sensu lato	8848	Metarhizium anisopliae sensu lato	8918	Purpureocillium lilacinum
8779	Metarhizium anisopliae sensu lato	8849	Metarhizium anisopliae sensu lato	8919	Purpureocillium lilacinum
8780	Metarhizium anisopliae sensu lato	8850	Metarhizium anisopliae sensu lato	8920	Purpureocillium lilacinum
8781	Metarhizium anisopliae sensu lato	8851	Metarhizium sp.	8921	Purpureocillium lilacinum
8782	Metarhizium anisopliae sensu lato	8852	Metarhizium sp.	8922	Purpureocillium lilacinum
8783	Metarhizium anisopliae sensu lato	8853	Beauveria bassiana	8923	Lecanicillium muscarium
8784	Metarhizium anisopliae sensu lato	8854	Beauveria bassiana	8924	Myriangium duriaei
8785	Metarhizium anisopliae sensu lato	8855	Metarhizium sp.	8925	Myriangium duriaei
8786	Metarhizium anisopliae sensu lato	8856	Metarhizium sp.	8926	Furia gastropachae
8787	Metarhizium anisopliae sensu lato	8857	Metarhizium sp.	8927	Gibellula sp.
8788	Metarhizium anisopliae sensu lato	8858	Metarhizium anisopliae sensu lato	8928	Isaria fumosorosea
8789	Metarhizium anisopliae sensu lato	8859	Metarhizium anisopliae sensu lato	8929	Beauveria bassiana
8790	Metarhizium anisopliae sensu lato	8860	Metarhizium anisopliae sensu lato	8930	Pandora nouryi
8791	Metarhizium anisopliae sensu lato	8861	Metarhizium anisopliae sensu lato	8931	Pandora nouryi
8792	Metarhizium anisopliae sensu lato	8862	Metarhizium anisopliae sensu lato	8932	Beauveria bassiana
8793	Metarhizium anisopliae sensu lato	8863	Metarhizium anisopliae sensu lato	8933	Beauveria bassiana
8794	Metarhizium anisopliae sensu lato	8864	Metarhizium anisopliae sensu lato	8934	Beauveria bassiana
8795	Metarhizium anisopliae sensu lato	8865	Metarhizium anisopliae sensu lato	8935	Beauveria bassiana
8796	Metarhizium anisopliae sensu lato	8866	Metarhizium anisopliae sensu lato	8936	Beauveria bassiana
8797	Metarhizium anisopliae sensu lato	8867	Metarhizium anisopliae sensu lato	8937	Beauveria bassiana
8798	Metarhizium anisopliae sensu lato	8868	Metarhizium anisopliae sensu lato	8938	Beauveria bassiana
8799	Metarhizium anisopliae sensu lato	8869	Metarhizium anisopliae sensu lato	8939	Beauveria bassiana
8800	Moelleriella zhongdongii	8870	Metarhizium anisopliae sensu lato	8940	Beauveria bassiana
8801	Beauveria bassiana(?)	8871	Metarhizium anisopliae sensu lato	8941	Metarhizium anisopliae sensu lato
8802	Beauveria bassiana(?)	8872	Metarhizium anisopliae sensu lato	8942	Metarhizium anisopliae sensu lato
8803	Beauveria bassiana(?)	8873	Metarhizium anisopliae sensu lato	8943	Metarhizium anisopliae sensu lato
8804	Beauveria bassiana(?)	8874	Metarhizium anisopliae sensu lato	8944	Metarhizium anisopliae sensu lato
8805	Beauveria bassiana(?)	8875	Metarhizium anisopliae sensu lato	8945	Metarhizium anisopliae sensu lato
8806	Isaria farinosa(?)	8876	Metarhizium anisopliae sensu lato	8946	Metarhizium anisopliae sensu lato
8807	Beauveria bassiana(?)	8877	Metarhizium anisopliae sensu lato	8947	Metarhizium anisopliae sensu lato
8808	Beauveria bassiana(?)	8878	Metarhizium anisopliae sensu lato	8948	Metarhizium anisopliae sensu lato
8809	Beauveria bassiana(?)	8879	Metarhizium anisopliae sensu lato	8949	Metarhizium anisopliae sensu lato
8810	Beauveria bassiana(?)	8880	Metarhizium anisopliae sensu lato	8950	Metarhizium anisopliae sensu lato
8811	Beauveria bassiana(?)	8881	Metarhizium anisopliae sensu lato	8951	Metarhizium anisopliae sensu lato
8812	Beauveria bassiana(?)	8882	Metarhizium anisopliae sensu lato	8952	Metarhizium anisopliae sensu lato
8813	Beauveria bassiana(?)	8883	Metarhizium anisopliae sensu lato	8953	Metarhizium anisopliae sensu lato
8814	Beauveria bassiana(?)	8884	Metarhizium anisopliae sensu lato	8954	Metarhizium anisopliae sensu lato
8815	Beauveria bassiana(?)	8885	Metarhizium anisopliae sensu lato	8955	Metarhizium anisopliae sensu lato
8816	Beauveria bassiana(?)	8886	Metarhizium anisopliae sensu lato	8956	Metarhizium anisopliae sensu lato
8817	Beauveria bassiana(?)	8887	Metarhizium anisopliae sensu lato	8957	Metarhizium anisopliae sensu lato
8818	Beauveria bassiana(?)	8888	Hirsutella lecaniicola	8958	Beauveria bassiana
8819	Beauveria bassiana(?)	8889	Beauveria bassiana	8959	Beauveria bassiana
8820	Metarhizium robertsii	8890	Lecanicillium psalliotae	8960	Beauveria bassiana
8821	Harposporium spirosporum	8891	Beauveria bassiana	8961	Beauveria bassiana
8822	Simplicillium lanosoniveum	8892	Isaria fumosorosea	8962	Beauveria bassiana
8823	Metarhizium anisopliae sensu lato	8893	Metarhizium anisopliae sensu lato	8963	Beauveria bassiana
8824	Metarhizium anisopliae sensu lato	8894	Metarhizium anisopliae sensu lato	8964	Beauveria bassiana
8825	Scopulariopsis sp.	8895	Metarhizium anisopliae sensu lato	8965	Beauveria bassiana
8826	Scopulariopsis sp.	8896	Metarhizium anisopliae sensu lato	8966	Beauveria bassiana
8827	Scopulariopsis sp.	8897	Metarhizium anisopliae sensu lato	8967	Beauveria bassiana
8828	Metarhizium anisopliae sensu lato	8898	Metarhizium anisopliae sensu lato	8968	Beauveria bassiana
8829	Metarhizium anisopliae sensu lato	8899	Metarhizium anisopliae sensu lato	8969	Beauveria bassiana
8830	Metarhizium anisopliae sensu lato	8900	Metarhizium anisopliae sensu lato	8970	Beauveria bassiana
8831	Metarhizium anisopliae sensu lato	8901	Metarhizium anisopliae sensu lato	8971	Beauveria bassiana
8832	Metarhizium anisopliae sensu lato	8902	Metarhizium anisopliae sensu lato	8972	Beauveria bassiana
8833	Metarhizium anisopliae sensu lato	8903	Metarhizium anisopliae sensu lato	8973	Beauveria bassiana
8834	Metarhizium anisopliae sensu lato	8904	Metarhizium anisopliae sensu lato	8974	Beauveria bassiana
8835	Beauveria bassiana	8905	Metarhizium anisopliae sensu lato	8975	Beauveria bassiana
8836	Beauveria bassiana	8906	Metarhizium anisopliae sensu lato	8976	Beauveria bassiana
8837	Metarhizium anisopliae sensu lato	8907	Metarhizium anisopliae sensu lato	8977	Beauveria bassiana
8838	Metarhizium anisopliae sensu lato	8908	Metarhizium anisopliae sensu lato	8978	Beauveria bassiana

8979	<i>Beauveria bassiana</i>	9049	<i>Smittium simulii</i>	9119	<i>Smittium</i> sp.
8980	<i>Beauveria bassiana</i>	9050	<i>Smittium</i> sp.	9120	<i>Smittium</i> sp.
8981	<i>Beauveria bassiana</i>	9051	<i>Smittium</i> sp.	9121	<i>Smittium</i> sp.
8982	<i>Beauveria bassiana</i>	9052	<i>Smittium</i> tipulidarum	9122	<i>Smittium</i> tipulidarum
8983	<i>Beauveria bassiana</i>	9053	<i>Smittium</i> tipulidarum	9123	<i>Smittium</i> culicis
8984	<i>Metarhizopsis microspora</i>	9054	<i>Smittium</i> tipulidarum	9124	<i>Smittium</i> culicis
8985	<i>Metarhizopsis microspora</i>	9055	<i>Smittium perforatum</i> (?)	9125	<i>Smittium</i> culicis
8986	<i>Metarhizopsis microspora</i>	9056	<i>Smittium</i> culisetae	9126	<i>Smittium</i> culicis
8987	<i>Metarhizopsis microspora</i>	9057	<i>Smittium</i> culicis	9127	<i>Smittium</i> culicis
8988	<i>Metarhizopsis microspora</i>	9058	<i>Smittium</i> culisetae	9128	<i>Smittium</i> culicis
8989	<i>Metarhizium anisopliae sensu lato</i>	9059	<i>Smittium</i> culicis	9129	<i>Smittium</i> culicis
8990	<i>Beauveria bassiana</i>	9060	<i>Smittium</i> morbosum	9130	<i>Smittium</i> culicis
8991	<i>Rotiferophthora angustispora</i>	9061	<i>Smittium</i> morbosum	9131	<i>Smittium</i> culisetae
8992	<i>Rotiferophthora cylindrospora</i>	9062	<i>Smittium</i> culisetae	9132	<i>Smittium</i> culisetae
8993	<i>Pseudomeria mucosa</i>	9063	<i>Smittium</i> mucronatum	9133	<i>Smittium</i> culisetae
8994	<i>Rotiferophthora brevipes</i>	9064	Harpellales, genus undetermined	9134	<i>Smittium simulii</i>
8995	<i>Rotiferophthora globospora</i>	9065	<i>Smittium</i> sp.	9135	<i>Smittium simulii</i>
8996	<i>Aschersonia aleyrodis</i>	9066	<i>Legeriosimilis</i> sp.	9136	<i>Smittium simulii</i>
8997	<i>Aschersonia aleyrodis</i>	9067	<i>Smittium</i> mucronatum	9137	<i>Smittium simulii</i>
8998	<i>Beauveria bassiana</i>	9068	<i>Smittium</i> lentaquaticum	9138	<i>Smittium simulii</i>
8999	<i>Hirsutella</i> sp.	9069	<i>Smittium</i> culisetae	9139	<i>Smittium simulii</i>
9000	<i>Smittium caudatum</i>	9070	<i>Smittium</i> sp.	9140	<i>Smittium</i> culicis
9001	<i>Smittium coloradense</i>	9071	<i>Smittium</i> culisetae	9141	<i>Smittium</i> culicis
9002	<i>Smittium coloradense</i>	9072	<i>Smittium</i> sp.	9142	<i>Smittium</i> culicis
9003	<i>Smittium culicis</i>	9073	<i>Smittium</i> culicis	9143	<i>Smittium</i> culicis
9004	<i>Smittium culicis</i>	9074	<i>Smittium</i> culicis	9144	<i>Smittium</i> mucronatum
9005	<i>Smittium culicis</i>	9075	<i>Smittium</i> culisetae	9145	<i>Smittium</i> sp.
9006	<i>Smittium culicis</i>	9076	<i>Smittium</i> phytotelmatum	9146	<i>Smittium</i> sp.
9007	<i>Smittium culicis</i>	9077	<i>Furculomyces boomerangus</i>	9147	<i>Smittium</i> sp.
9008	<i>Smittium culicis</i>	9078	<i>Smittium</i> simulatum	9148	<i>Smittium</i> sp.
9009	<i>Smittium culicis</i>	9079	<i>Smittium</i> sp.	9149	<i>Smittium</i> culicis
9010	<i>Smittium culicis</i>	9080	<i>Smittium</i> orthocladii	9150	<i>Metarhizium anisopliae sensu lato</i>
9011	<i>Smittium culicis</i>	9081	<i>Smittium</i> sp.	9151	<i>Metarhizium anisopliae sensu lato</i>
9012	<i>Smittium culisetae</i>	9082	<i>Smittium</i> lentaquaticum	9152	<i>Metarhizium anisopliae sensu lato</i>
9013	<i>Smittium culisetae</i>	9083	<i>Smittium</i> fecundum	9153	<i>Metarhizium anisopliae sensu lato</i>
9014	<i>Smittium culisetae</i>	9084	<i>Smittium</i> culicis	9154	<i>Metarhizium anisopliae sensu lato</i>
9015	<i>Smittium culisetae</i>	9085	<i>Smittium</i> commune	9155	<i>Metarhizium anisopliae sensu lato</i>
9016	<i>Smittium culisetae</i>	9086	<i>Smittium</i> sp.	9156	<i>Metarhizium anisopliae sensu lato</i>
9017	<i>Smittium culisetae</i>	9087	<i>Smittium</i> sp.	9157	<i>Metarhizium anisopliae sensu lato</i>
9018	<i>Smittium culisetae</i>	9088	<i>Smittium</i> sp.	9158	<i>Metarhizium anisopliae sensu lato</i>
9019	<i>Smittium simulii</i>	9089	Harpellales, genus undetermined	9159	<i>Metarhizium anisopliae sensu lato</i>
9020	<i>Barbatospora ambicaudata</i>	9090	<i>Smittium</i> mucronatum	9160	<i>Metarhizium anisopliae sensu lato</i>
9021	<i>Furculomyces boomerangus</i>	9091	<i>Smittium</i> culicis	9161	<i>Metarhizium anisopliae sensu lato</i>
9022	<i>Smittium fecundum</i>	9092	<i>Smittium</i> acutum	9162	<i>Metarhizium anisopliae sensu lato</i>
9023	<i>Smittium stenosporum</i>	9093	<i>Smittium</i> culicis	9163	<i>Lecanicillium</i> sp.
9024	<i>Smittium culisetae</i>	9094	<i>Smittium</i> culisetae	9164	<i>Evlachovaea</i> sp.
9025	<i>Smittium culisetae</i>	9095	<i>Smittium</i> culisetae	9165	<i>Evlachovaea</i> sp.
9026	<i>Smittium culisetae</i>	9096	<i>Smittium</i> culisetae	9166	<i>Evlachovaea</i> sp.
9027	<i>Smittium megazygosporum</i> (?)	9097	<i>Smittium</i> culisetae	9167	<i>Evlachovaea</i> sp.
9028	<i>Smittium mucronatum</i>	9098	<i>Smittium</i> culisetae	9168	<i>Evlachovaea</i> sp.
9029	<i>Smittium gravimetallum</i>	9099	<i>Smittium</i> culisetae	9169	<i>Evlachovaea</i> sp.
9030	<i>Smittium tronadorium</i>	9100	<i>Smittium</i> culisetae	9170	<i>Evlachovaea</i> sp.
9031	<i>Smittium culicis</i>	9101	<i>Smittium</i> culisetae	9171	<i>Evlachovaea</i> sp.
9032	<i>Smittium culisetae</i>	9102	<i>Smittium</i> culisetae	9172	<i>Evlachovaea</i> sp.
9033	<i>Smittium imitatum</i>	9103	<i>Smittium</i> culisetae	9173	<i>Evlachovaea</i> sp.
9034	<i>Smittium</i> sp.	9104	<i>Smittium</i> culisetae	9174	<i>Evlachovaea</i> sp.
9035	<i>Smittium</i> sp.	9105	<i>Smittium</i> culisetae	9175	<i>Lecanicillium</i> sp.
9036	<i>Smittium gravimetallum</i>	9106	<i>Smittium</i> culisetae	9176	<i>Lecanicillium</i> sp.
9037	<i>Smittium megazygosporum</i>	9107	<i>Smittium</i> culisetae	9177	<i>Lecanicillium</i> sp.
9038	<i>Smittium</i> sp.	9108	<i>Smittium</i> culisetae	9178	<i>Beauveria bassiana</i>
9039	<i>Smittium culisetae</i>	9109	<i>Smittium</i> culisetae	9179	<i>Beauveria bassiana</i>
9040	<i>Smittium culicis</i>	9110	<i>Smittium</i> culisetae	9180	<i>Hirsutella citrififormis</i>
9041	<i>Smittium culicis</i>	9111	<i>Smittium</i> culisetae	9181	<i>Amoebidium appalachense</i>
9042	<i>Smittium simulatum</i>	9112	<i>Smittium</i> culisetae	9182	<i>Amoebidium parasiticum</i>
9043	<i>Smittium simulii</i>	9113	<i>Smittium</i> culisetae	9183	<i>Amoebidium parasiticum</i>
9044	<i>Smittium culicisoides</i>	9114	<i>Smittium</i> culisetae	9184	<i>Beauveria bassiana</i>
9045	<i>Smittium culicis</i>	9115	<i>Smittium</i> culisetae	9185	<i>Evlachovaea</i> sp.
9046	<i>Smittium culicis</i>	9116	<i>Smittium</i> cylindrosporum	9186	<i>Evlachovaea</i> sp.
9047	<i>Smittium culisetae</i>	9117	<i>Smittium</i> simulatum	9187	<i>Evlachovaea</i> sp.
9048	<i>Smittium culisetae</i>	9118	<i>Smittium simulii</i>	9188	<i>Evlachovaea</i> sp.

9189	<i>Evlachovaea</i> sp.	9263	<i>Smittium</i> dipterorum	9333	<i>Metarhizium</i> anisopliae sensu lato
9190	<i>Evlachovaea</i> sp.	9264	<i>Smittium</i> gravimetallum	9334	Unidentified sp.
9191	<i>Evlachovaea</i> sp.	9265	<i>Smittium</i> sp.	9335	<i>Beauveria</i> sp.
9192	<i>Evlachovaea</i> sp.	9266	<i>Pandora</i> heteropterae	9336	<i>Beauveria</i> sp.
9193	<i>Beauveria</i> bassiana	9267	<i>Lecanicillium</i> muscarium	9337	<i>Beauveria</i> sp.
9194	<i>Beauveria</i> bassiana	9268	<i>Lecanicillium</i> muscarium	9338	<i>Beauveria</i> sp.
9195	<i>Beauveria</i> bassiana	9269	<i>Isaria</i> farinosa	9339	<i>Beauveria</i> sp.
9196	<i>Beauveria</i> bassiana	9270	<i>Isaria</i> farinosa	9340	<i>Beauveria</i> sp.
9197	<i>Beauveria</i> bassiana	9271	<i>Beauveria</i> bassiana(?)	9341	<i>Beauveria</i> sp.
9198	<i>Beauveria</i> bassiana	9272	<i>Beauveria</i> sp.	9342	<i>Beauveria</i> sp.
9199	<i>Beauveria</i> bassiana	9273	<i>Fusarium</i> sp.	9343	<i>Beauveria</i> sp.
9200	<i>Beauveria</i> bassiana	9274	<i>Fusarium</i> sp.	9344	<i>Beauveria</i> sp.
9201	<i>Beauveria</i> bassiana	9275	<i>Isaria</i> farinosa	9345	<i>Beauveria</i> bassiana
9202	<i>Beauveria</i> bassiana	9276	<i>Isaria</i> farinosa	9346	<i>Beauveria</i> bassiana
9203	<i>Beauveria</i> bassiana	9277	<i>Isaria</i> farinosa	9347	<i>Beauveria</i> bassiana
9204	<i>Beauveria</i> bassiana	9278	<i>Isaria</i> farinosa	9348	<i>Beauveria</i> bassiana
9205	<i>Beauveria</i> bassiana	9279	<i>Metarhizium</i> anisopliae sensu lato	9349	<i>Beauveria</i> bassiana
9206	<i>Beauveria</i> bassiana	9280	<i>Metarhizium</i> anisopliae sensu lato	9350	<i>Beauveria</i> bassiana
9207	<i>Beauveria</i> bassiana	9281	<i>Metarhizium</i> anisopliae sensu lato	9351	<i>Beauveria</i> bassiana
9208	<i>Beauveria</i> bassiana	9282	<i>Metarhizium</i> anisopliae sensu lato	9352	<i>Beauveria</i> bassiana
9209	<i>Beauveria</i> bassiana	9283	<i>Metarhizium</i> anisopliae sensu lato	9353	<i>Beauveria</i> bassiana
9210	<i>Beauveria</i> bassiana	9284	<i>Metarhizium</i> anisopliae sensu lato	9354	<i>Metarhizium</i> anisopliae
9211	<i>Beauveria</i> bassiana	9285	<i>Metarhizium</i> anisopliae sensu lato	9355	<i>Beauveria</i> bassiana
9212	<i>Beauveria</i> bassiana	9286	<i>Metarhizium</i> anisopliae sensu lato	9356	<i>Purpureocillium</i> lilacinum
9213	<i>Beauveria</i> bassiana	9287	<i>Metarhizium</i> anisopliae sensu lato	9357	<i>Purpureocillium</i> lilacinum
9214	<i>Beauveria</i> bassiana	9288	<i>Metarhizium</i> anisopliae sensu lato	9358	<i>Metarhizium</i> flavoviride var. pemphigum
9215	<i>Beauveria</i> bassiana	9289	<i>Beauveria</i> bassiana	9359	<i>Myrothecium</i> verrucaria
9216	<i>Beauveria</i> bassiana	9290	<i>Beauveria</i> bassiana	9360	<i>Eurotiomycetes</i> , genus undetermined
9217	<i>Metarhizium</i> anisopliae sensu lato	9291	<i>Beauveria</i> bassiana	9361	<i>Eurotiomycetes</i> , genus undetermined
9218	<i>Metarhizium</i> anisopliae sensu lato	9292	<i>Isaria</i> farinosa	9362	<i>Exophiala</i> sp.
9219	<i>Beauveria</i> bassiana	9293	<i>Isaria</i> farinosa	9363	<i>Tripospermum</i> sp.
9220	<i>Beauveria</i> bassiana	9294	<i>Isaria</i> fumosorosea	9364	Unidentified / <i>Hyphomycetes</i>
9221	<i>Beauveria</i> bassiana	9295	<i>Conidiobolus</i> coronatus	9365	<i>Rhinoclaadiella</i> (?) sp.
9222	<i>Beauveria</i> bassiana	9296	<i>Conidiobolus</i> coronatus	9366	Unidentified / <i>Hyphomycetes</i>
9223	<i>Beauveria</i> bassiana	9297	<i>Beauveria</i> bassiana	9367	<i>Doratomyces</i> (?) sp.
9224	<i>Beauveria</i> bassiana	9298	<i>Beauveria</i> bassiana	9368	<i>Acremonium</i> (?) sp.
9225	<i>Beauveria</i> bassiana	9299	<i>Beauveria</i> bassiana	9369	<i>Lecanicillium</i> (?) sp.
9226	<i>Beauveria</i> bassiana	9300	<i>Beauveria</i> bassiana	9370	<i>Beauveria</i> bassiana
9227	<i>Beauveria</i> bassiana	9301	<i>Beauveria</i> bassiana	9371	<i>Purpureocillium</i> lilacinum
9228	<i>Beauveria</i> bassiana	9302	<i>Beauveria</i> bassiana	9372	<i>Metarhizium</i> anisopliae sensu lato
9229	<i>Beauveria</i> bassiana	9303	<i>Metarhizium</i> anisopliae sensu lato	9373	<i>Metarhizium</i> anisopliae sensu lato
9230	<i>Beauveria</i> bassiana	9304	<i>Metarhizium</i> anisopliae sensu lato	9374	<i>Metarhizium</i> anisopliae sensu lato
9231	<i>Beauveria</i> bassiana	9305	<i>Metarhizium</i> anisopliae sensu lato	9375	<i>Aspergillus</i> clavatus
9232	<i>Beauveria</i> bassiana	9306	<i>Metarhizium</i> anisopliae sensu lato	9376	<i>Aspergillus</i> flavus
9233	<i>Beauveria</i> bassiana	9307	<i>Metarhizium</i> anisopliae sensu lato	9377	<i>Fusarium</i> sp.
9234	<i>Beauveria</i> bassiana	9308	<i>Metarhizium</i> anisopliae sensu lato	9378	<i>Aspergillus</i> flavus
9235	<i>Metarhizium</i> anisopliae sensu lato	9309	<i>Metarhizium</i> anisopliae sensu lato	9379	<i>Aspergillus</i> clavatus
9236	<i>Metarhizium</i> anisopliae sensu lato	9310	<i>Metarhizium</i> anisopliae sensu lato	9380	<i>Isaria</i> fumosorosea
9237	<i>Evlachovaea</i> sp.	9311	<i>Metarhizium</i> anisopliae sensu lato	9381	<i>Aspergillus</i> flavus
9238	<i>Purpureocillium</i> lilacinum	9312	<i>Metarhizium</i> anisopliae sensu lato	9382	<i>Harposporium</i> cocleatum
9239	<i>Purpureocillium</i> lilacinum	9313	<i>Metarhizium</i> anisopliae sensu lato	9383	<i>Pseudomeria</i> mucosa
9240	<i>Purpureocillium</i> lilacinum	9314	<i>Metarhizium</i> anisopliae sensu lato	9384	<i>Pseudomeria</i> mucosa
9241	<i>Smittium</i> angustum	9315	<i>Metarhizium</i> anisopliae sensu lato	9385	<i>Rotiferophthora</i> angustispora
9242	<i>Smittium</i> annulatum	9316	<i>Metarhizium</i> anisopliae sensu lato	9386	<i>Rotiferophthora</i> angustispora
9243	<i>Smittium</i> commune	9317	<i>Metarhizium</i> anisopliae sensu lato	9387	<i>Rotiferophthora</i> tagenophora
9244	<i>Smittium</i> commune	9318	<i>Metarhizium</i> anisopliae sensu lato	9388	<i>Beauveria</i> bassiana
9245	<i>Smittium</i> commune	9319	<i>Metarhizium</i> anisopliae sensu lato	9389	<i>Beauveria</i> bassiana
9246	<i>Smittium</i> culisetae	9320	<i>Metarhizium</i> anisopliae sensu lato	9390	<i>Beauveria</i> bassiana
9247	<i>Smittium</i> culisetae	9321	<i>Metarhizium</i> anisopliae sensu lato	9391	<i>Beauveria</i> bassiana
9248	<i>Smittium</i> cylindrosporum	9322	<i>Metarhizium</i> anisopliae sensu lato	9392	<i>Beauveria</i> bassiana
9249	<i>Smittium</i> cylindrosporum	9323	<i>Metarhizium</i> anisopliae sensu lato	9393	<i>Beauveria</i> bassiana
9250	<i>Smittium</i> dipterorum	9324	<i>Metarhizium</i> anisopliae sensu lato	9394	<i>Beauveria</i> bassiana
9251	<i>Smittium</i> elongatum	9325	<i>Metarhizium</i> anisopliae sensu lato	9395	<i>Beauveria</i> bassiana
9253	<i>Smittium</i> lentaquaticum	9326	<i>Metarhizium</i> anisopliae sensu lato	9396	<i>Beauveria</i> bassiana
9255	<i>Amoebidium</i> appalachense	9327	<i>Metarhizium</i> anisopliae sensu lato	9397	<i>Beauveria</i> bassiana
9256	<i>Amoebidium</i> appalachense	9328	<i>Metarhizium</i> anisopliae sensu lato	9398	<i>Beauveria</i> bassiana
9257	<i>Amoebidium</i> parasiticum	9329	<i>Metarhizium</i> anisopliae sensu lato	9399	<i>Beauveria</i> bassiana
9258	<i>Capniomyces</i> stellatus	9330	<i>Metarhizium</i> anisopliae sensu lato	9400	<i>Beauveria</i> bassiana
9259	<i>Furculomyces</i> boomerangus	9331	<i>Metarhizium</i> anisopliae sensu lato	9401	<i>Beauveria</i> bassiana
9261	<i>Smittium</i> caudatum	9332	<i>Metarhizium</i> anisopliae sensu lato		

9402 Beauveria bassiana	9472 Lecanicillium muscarium	9542 Rotiferophthora sp.
9403 Beauveria bassiana	9473 Lecanicillium psalliotae	9543 Rotiferophthora sp.
9404 Beauveria bassiana	9474 Lecanicillium psalliotae	9544 Rotiferophthora sp.
9405 Beauveria bassiana	9475 Engyodontium(?) sp.	9545 Rotiferophthora sp.
9406 Beauveria bassiana	9476 Engyodontium(?) sp.	9546 Rotiferophthora sp.
9407 Beauveria bassiana	9477 Lecanicillium muscarium	9547 Rotiferophthora cylindrospora
9408 Beauveria bassiana	9478 Lecanicillium sp.	9548 Rotiferophthora cylindrospora
9409 Beauveria bassiana	9479 Simplicillium lamellicola	9549 Rotiferophthora denticulospora
9410 Beauveria bassiana	9480 Simplicillium lamellicola	9550 Beauveria bassiana
9411 Beauveria bassiana	9481 Simplicillium lamellicola	9551 Beauveria bassiana
9412 Beauveria bassiana	9482 Lecanicillium fungicola	9552 Beauveria bassiana
9413 Beauveria bassiana	9483 Lecanicillium fungicola	9553 Beauveria bassiana
9414 Beauveria bassiana	9484 Cordyceps militaris	9554 Beauveria bassiana
9415 Beauveria bassiana	9485 Elaphocordyceps ophioglossoides	9555 Beauveria bassiana
9416 Beauveria bassiana	9486 Cordyceps sp.	9556 Beauveria bassiana
9417 Beauveria bassiana	9487 Metarhizium anisopliae	9557 Beauveria bassiana
9418 Beauveria bassiana	9488 Metarhizium anisopliae	9558 Beauveria bassiana
9419 Beauveria bassiana	9489 Nomuraea rileyi	9559 Beauveria bassiana
9420 Beauveria bassiana	9490 Nomuraea rileyi	9560 Beauveria bassiana
9421 Beauveria bassiana	9491 Clonostachys rosea	9561 Beauveria bassiana
9422 Beauveria bassiana	9492 Clonostachys rosea	9562 Beauveria bassiana
9423 Beauveria bassiana	9493 Clonostachys rosea	9563 Beauveria bassiana
9424 Beauveria bassiana	9494 Pochonia chlamyosporia	9564 Beauveria bassiana
9425 Beauveria bassiana	9495 Pochonia suchlasporia	9565 Beauveria bassiana
9426 Beauveria bassiana	9496 Polycephalomyces sp.	9566 Beauveria bassiana
9427 Beauveria bassiana	9497 Polycephalomyces sp.	9567 Isaria farinosa(?)
9428 Beauveria bassiana	9498 Rotiferophthora angustispora	9568 Isaria farinosa(?)
9429 Beauveria bassiana	9499 Clonostachys candelabrum	9569 Isaria farinosa(?)
9430 Beauveria bassiana	9500 Sporothrix ghanensis	9570 Isaria farinosa(?)
9431 Beauveria bassiana	9501 Sporothrix insectorum	9571 Isaria farinosa(?)
9432 Beauveria bassiana	9502 Sporothrix insectorum	9572 Isaria farinosa(?)
9433 Beauveria bassiana	9503 Tolypocladium cylindrosporium	9573 Isaria farinosa(?)
9434 Beauveria bassiana	9504 Tolypocladium geodes	9574 Isaria farinosa
9435 Beauveria bassiana	9505 Tolypocladium geodes	9575 Isaria farinosa
9436 Beauveria bassiana	9506 Tolypocladium inflatum	9576 Isaria farinosa
9437 Beauveria bassiana	9507 Tolypocladium inflatum	9577 Isaria farinosa
9438 Beauveria bassiana	9508 Isaria sp.	9578 Isaria farinosa
9439 Metarhizium anisopliae sensu lato	9509 Isaria coleopterorum	9579 Isaria farinosa
9440 Lecanicillium aphanocladii	9510 Isaria farinosa	9580 Isaria farinosa
9441 Beauveria bassiana	9511 Isaria farinosa	9581 Isaria farinosa(?)
9442 Beauveria bassiana	9512 Isaria farinosa	9582 Isaria fumosorosea
9443 Beauveria bassiana	9513 Isaria farinosa	9583 Isaria fumosorosea
9444 Beauveria bassiana	9514 Isaria farinosa	9584 Isaria fumosorosea
9445 Beauveria bassiana	9515 Isaria farinosa	9585 Isaria fumosorosea
9446 Beauveria bassiana	9516 Isaria farinosa	9586 Isaria fumosorosea
9447 Beauveria bassiana	9517 Isaria sp.	9587 Beauveria bassiana
9448 Beauveria bassiana	9518 Isaria sp.	9588 Beauveria bassiana
9449 Beauveria bassiana	9519 Isaria sp.	9589 Beauveria bassiana
9450 Beauveria bassiana	9520 Isaria fumosorosea	9590 Metarhizium anisopliae sensu lato
9451 Beauveria bassiana	9521 Isaria fumosorosea	9591 Metarhizium anisopliae sensu lato
9452 Beauveria brongniartii	9522 Purpureocillium lilacinum	9592 Metarhizium acridum
9453 Beauveria brongniartii	9523 Purpureocillium lilacinum	9593 Metarhizium anisopliae sensu lato
9454 Engyodontium album	9524 Purpureocillium lilacinum	9594 Nomuraea atypicola
9455 Mariannaea elegans	9525 Purpureocillium lilacinum	9595 Beauveria bassiana
9456 Mariannaea elegans	9526 Purpureocillium lilacinum	9596 Beauveria sp.
9457 Hirsutella thompsonii	9527 Paecilomyces marquandii	9598 Beauveria bassiana
9458 Lecanicillium sp.	9528 Purpureocillium lilacinum	9599 Beauveria brongniartii
9459 Lecanicillium sp.	9529 Paecilomyces marquandii	9600 Beauveria bassiana
9460 Lecanicillium nr. aranearum	9530 Paecilomyces marquandii	9601 Isaria cateniannulata
9461 Lecanicillium aphanocladii	9531 Isaria tenuipes	9602 Isaria fumosorosea
9462 Lecanicillium muscarium(?)	9532 Isaria tenuipes	9603 Hirsutella liboensis
9463 Lecanicillium muscarium(?)	9533 Isaria tenuipes	9604 Purpureocillium lilacinum
9464 Lecanicillium muscarium(?)	9534 Isaria tenuipes	9605 Hirsutella sp.
9465 Lecanicillium sp.	9535 Aschersonia aleyrodis	9606 Hirsutella sp.
9466 Lecanicillium sp.	9536 Conidiobolus obscurus	9607 Metarhizium robertsii
9467 Lecanicillium muscarium	9537 Erynia sp.	9608 Metarhizium brunneum
9468 Lecanicillium muscarium	9538 Unidentified / Hyphomycetes	9609 Lecanicillium sp.
9469 Lecanicillium muscarium	9539 Unidentified / Hyphomycetes	9610 Purpureocillium lilacinum
9470 Lecanicillium muscarium	9540 Unidentified / Hyphomycetes	9611 Lecanicillium aphanocladii
9471 Lecanicillium muscarium	9541 Metarhizium anisopliae sensu lato	9612 Metarhizium anisopliae sensu lato

9613 <i>Metarhizium anisopliae</i> sensu lato	9683 <i>Metarhizium</i> sp.	9753 <i>Metarhizium</i> sp.
9614 <i>Cladosporium cladosporioides</i>	9684 <i>Metarhizium</i> sp.	9754 <i>Metarhizium</i> sp.
9615 <i>Lecanicillium aphanocladii</i>	9685 <i>Metarhizium</i> sp.	9755 <i>Metarhizium</i> sp.
9616 <i>Cladosporium cladosporioides</i>	9686 <i>Metarhizium</i> sp.	9756 <i>Metarhizium</i> sp.
9617 <i>Metarhizium</i> sp.	9687 <i>Metarhizium</i> sp.	9757 <i>Metarhizium</i> sp.
9618 <i>Metarhizium</i> sp.	9688 <i>Metarhizium</i> sp.	9758 <i>Metarhizium</i> sp.
9619 <i>Metarhizium</i> sp.	9689 <i>Metarhizium</i> sp.	9759 <i>Metarhizium</i> sp.
9620 <i>Metarhizium</i> sp.	9690 <i>Metarhizium</i> sp.	9760 <i>Metarhizium</i> sp.
9621 <i>Metarhizium</i> sp.	9691 <i>Metarhizium</i> sp.	9761 <i>Metarhizium</i> sp.
9622 <i>Metarhizium</i> sp.	9692 <i>Metarhizium</i> sp.	9762 <i>Metarhizium</i> sp.
9623 <i>Metarhizium</i> sp.	9693 <i>Metarhizium</i> sp.	9763 <i>Metarhizium</i> sp.
9624 <i>Metarhizium</i> sp.	9694 <i>Metarhizium</i> sp.	9764 <i>Metarhizium</i> sp.
9625 <i>Metarhizium</i> sp.	9695 <i>Metarhizium</i> sp.	9765 <i>Metarhizium</i> sp.
9626 <i>Metarhizium</i> sp.	9696 <i>Metarhizium</i> sp.	9766 <i>Metarhizium</i> sp.
9627 <i>Metarhizium</i> sp.	9697 <i>Metarhizium</i> sp.	9767 <i>Metarhizium</i> sp.
9628 <i>Metarhizium</i> sp.	9698 <i>Metarhizium</i> sp.	9768 <i>Metarhizium</i> sp.
9629 <i>Metarhizium</i> sp.	9699 <i>Metarhizium</i> sp.	9769 <i>Metarhizium</i> sp.
9630 <i>Metarhizium</i> sp.	9700 <i>Metarhizium</i> sp.	9770 <i>Metarhizium</i> sp.
9631 <i>Metarhizium</i> sp.	9701 <i>Metarhizium</i> sp.	9771 <i>Metarhizium</i> sp.
9632 <i>Metarhizium</i> sp.	9702 <i>Metarhizium</i> sp.	9772 <i>Metarhizium</i> sp.
9633 <i>Metarhizium</i> sp.	9703 <i>Metarhizium</i> sp.	9773 <i>Metarhizium</i> sp.
9634 <i>Metarhizium</i> sp.	9704 <i>Metarhizium</i> sp.	9774 <i>Metarhizium</i> sp.
9635 <i>Metarhizium</i> sp.	9705 <i>Metarhizium</i> sp.	9775 <i>Metarhizium</i> sp.
9636 <i>Metarhizium</i> sp.	9706 <i>Metarhizium</i> sp.	9776 <i>Metarhizium</i> sp.
9637 <i>Metarhizium</i> sp.	9707 <i>Metarhizium</i> sp.	9777 <i>Metarhizium</i> sp.
9638 <i>Metarhizium</i> sp.	9708 <i>Metarhizium</i> sp.	9778 <i>Metarhizium</i> sp.
9639 <i>Metarhizium</i> sp.	9709 <i>Metarhizium</i> sp.	9779 <i>Metarhizium</i> sp.
9640 <i>Metarhizium</i> sp.	9710 <i>Metarhizium</i> sp.	9780 <i>Metarhizium</i> sp.
9641 <i>Metarhizium</i> sp.	9711 <i>Metarhizium</i> sp.	9781 <i>Metarhizium</i> sp.
9642 <i>Metarhizium</i> sp.	9712 <i>Metarhizium</i> sp.	9782 <i>Metarhizium</i> sp.
9643 <i>Metarhizium</i> sp.	9713 <i>Metarhizium</i> sp.	9783 <i>Metarhizium</i> sp.
9644 <i>Metarhizium</i> sp.	9714 <i>Metarhizium</i> sp.	9784 <i>Metarhizium</i> sp.
9645 <i>Metarhizium</i> sp.	9715 <i>Metarhizium</i> sp.	9785 <i>Metarhizium</i> sp.
9646 <i>Metarhizium</i> sp.	9716 <i>Metarhizium</i> sp.	9786 <i>Metarhizium</i> sp.
9647 <i>Metarhizium</i> sp.	9717 <i>Metarhizium</i> sp.	9787 <i>Metarhizium</i> sp.
9648 <i>Metarhizium</i> sp.	9718 <i>Metarhizium</i> sp.	9788 <i>Metarhizium</i> sp.
9649 <i>Metarhizium</i> sp.	9719 <i>Metarhizium</i> sp.	9789 <i>Metarhizium</i> sp.
9650 <i>Metarhizium</i> sp.	9720 <i>Metarhizium</i> sp.	9790 <i>Metarhizium</i> sp.
9651 <i>Metarhizium</i> sp.	9721 <i>Metarhizium</i> sp.	9791 <i>Metarhizium</i> sp.
9652 <i>Metarhizium</i> sp.	9722 <i>Metarhizium</i> sp.	9792 <i>Metarhizium</i> sp.
9653 <i>Metarhizium</i> sp.	9723 <i>Metarhizium</i> sp.	9793 <i>Metarhizium</i> sp.
9654 <i>Metarhizium</i> sp.	9724 <i>Metarhizium</i> sp.	9794 <i>Metarhizium</i> sp.
9655 <i>Metarhizium</i> sp.	9725 <i>Metarhizium</i> sp.	9795 <i>Metarhizium</i> sp.
9656 <i>Metarhizium</i> sp.	9726 <i>Metarhizium</i> sp.	9796 <i>Metarhizium</i> sp.
9657 <i>Metarhizium</i> sp.	9727 <i>Metarhizium</i> sp.	9797 <i>Metarhizium</i> sp.
9658 <i>Metarhizium</i> sp.	9728 <i>Metarhizium</i> sp.	9798 <i>Metarhizium</i> sp.
9659 <i>Metarhizium</i> sp.	9729 <i>Metarhizium</i> sp.	9799 <i>Metarhizium</i> sp.
9660 <i>Metarhizium</i> sp.	9730 <i>Metarhizium</i> sp.	9800 <i>Metarhizium</i> sp.
9661 <i>Metarhizium</i> sp.	9731 <i>Metarhizium</i> sp.	9801 <i>Metarhizium</i> sp.
9662 <i>Metarhizium</i> sp.	9732 <i>Metarhizium</i> sp.	9802 <i>Metarhizium</i> sp.
9663 <i>Metarhizium</i> sp.	9733 <i>Metarhizium</i> sp.	9803 <i>Metarhizium</i> sp.
9664 <i>Metarhizium</i> sp.	9734 <i>Metarhizium</i> sp.	9804 <i>Metarhizium</i> sp.
9665 <i>Metarhizium</i> sp.	9735 <i>Metarhizium</i> sp.	9805 <i>Metarhizium</i> sp.
9666 <i>Metarhizium</i> sp.	9736 <i>Metarhizium</i> sp.	9806 <i>Metarhizium</i> sp.
9667 <i>Metarhizium</i> sp.	9737 <i>Metarhizium</i> sp.	9807 <i>Metarhizium</i> sp.
9668 <i>Metarhizium</i> sp.	9738 <i>Metarhizium</i> sp.	9808 <i>Metarhizium</i> sp.
9669 <i>Metarhizium</i> sp.	9739 <i>Metarhizium</i> sp.	9809 <i>Metarhizium</i> sp.
9670 <i>Metarhizium</i> sp.	9740 <i>Metarhizium</i> sp.	9810 <i>Metarhizium</i> sp.
9671 <i>Metarhizium</i> sp.	9741 <i>Metarhizium</i> sp.	9811 <i>Metarhizium</i> sp.
9672 <i>Metarhizium</i> sp.	9742 <i>Metarhizium</i> sp.	9812 <i>Metarhizium</i> sp.
9673 <i>Metarhizium</i> sp.	9743 <i>Metarhizium</i> sp.	9813 <i>Metarhizium</i> sp.
9674 <i>Metarhizium</i> sp.	9744 <i>Metarhizium</i> sp.	9814 <i>Metarhizium</i> sp.
9675 <i>Metarhizium</i> sp.	9745 <i>Metarhizium</i> sp.	9815 <i>Metarhizium</i> sp.
9676 <i>Metarhizium</i> sp.	9746 <i>Metarhizium</i> sp.	9816 <i>Metarhizium</i> sp.
9677 <i>Metarhizium</i> sp.	9747 <i>Metarhizium</i> sp.	9817 <i>Metarhizium</i> sp.
9678 <i>Metarhizium</i> sp.	9748 <i>Metarhizium</i> sp.	9818 <i>Metarhizium</i> sp.
9679 <i>Metarhizium</i> sp.	9749 <i>Metarhizium</i> sp.	9819 <i>Metarhizium</i> sp.
9680 <i>Metarhizium</i> sp.	9750 <i>Metarhizium</i> sp.	9820 <i>Metarhizium</i> sp.
9681 <i>Metarhizium</i> sp.	9751 <i>Metarhizium</i> sp.	9821 <i>Metarhizium</i> sp.
9682 <i>Metarhizium</i> sp.	9752 <i>Metarhizium</i> sp.	9822 <i>Metarhizium</i> sp.

9823 Metarhizium sp.	9893 Basidiobolus sp.	9963 Metarhizium sp.
9824 Metarhizium sp.	9894 Basidiobolus sp.	9964 Metarhizium sp.
9825 Metarhizium sp.	9895 Basidiobolus sp.	9965 Metarhizium sp.
9826 Metarhizium sp.	9896 Basidiobolus sp.	9966 Metarhizium sp.
9827 Metarhizium sp.	9897 Basidiobolus sp.	9967 Metarhizium sp.
9828 Metarhizium sp.	9898 Basidiobolus sp.	9968 Metarhizium sp.
9829 Metarhizium sp.	9899 Basidiobolus sp.	9969 Metarhizium sp.
9830 Metarhizium sp.	9900 Basidiobolus sp.	9970 Metarhizium sp.
9831 Metarhizium sp.	9901 Basidiobolus sp.	9971 Metarhizium sp.
9832 Metarhizium sp.	9902 Basidiobolus sp.	9972 Metarhizium sp.
9833 Metarhizium sp.	9903 Basidiobolus sp.	9973 Metarhizium sp.
9834 Metarhizium sp.	9904 Basidiobolus sp.	9974 Metarhizium sp.
9835 Metarhizium sp.	9905 Basidiobolus sp.	9975 Metarhizium sp.
9836 Metarhizium sp.	9906 Basidiobolus sp.	9976 Metarhizium sp.
9837 Metarhizium sp.	9907 Basidiobolus sp.	9977 Metarhizium sp.
9838 Metarhizium sp.	9908 Basidiobolus sp.	9978 Metarhizium sp.
9839 Metarhizium sp.	9909 Basidiobolus sp.	9979 Metarhizium sp.
9840 Metarhizium sp.	9910 Basidiobolus sp.	9980 Metarhizium sp.
9841 Metarhizium sp.	9911 Basidiobolus sp.	9981 Metarhizium sp.
9842 Metarhizium sp.	9912 Basidiobolus sp.	9982 Metarhizium sp.
9843 Metarhizium sp.	9913 Conidiobolus coronatus	9983 Metarhizium sp.
9844 Metarhizium sp.	9914 Conidiobolus coronatus	9984 Metarhizium sp.
9845 Metarhizium sp.	9915 Myriangium sp.	9985 Metarhizium sp.
9846 Metarhizium sp.	9916 Myriangium sp.	9986 Metarhizium sp.
9847 Metarhizium sp.	9917 Myriangium sp.	9987 Metarhizium sp.
9848 Metarhizium sp.	9918 Myriangium sp.	9988 Metarhizium sp.
9849 Metarhizium sp.	9919 Myriangium sp.	9989 Metarhizium sp.
9850 Metarhizium sp.	9920 Phoma sp.	9990 Metarhizium sp.
9851 Metarhizium sp.	9921 Unidentified sp.	9991 Metarhizium sp.
9852 Metarhizium sp.	9922 Rhinocladiella(?) sp.	9992 Metarhizium sp.
9853 Metarhizium sp.	9923 Phoma sp.	9993 Metarhizium sp.
9854 Metarhizium sp.	9924 Lecanicillium sp.	9994 Metarhizium sp.
9855 Metarhizium sp.	9925 Lecanicillium sp.	9995 Metarhizium sp.
9856 Metarhizium sp.	9926 Lecanicillium sp.	9996 Metarhizium sp.
9857 Metarhizium sp.	9927 Beauveria bassiana	9997 Metarhizium sp.
9858 Metarhizium sp.	9928 Paecilomyces marquandii	9998 Metarhizium sp.
9859 Metarhizium sp.	9929 Paecilomyces marquandii	9999 Metarhizium sp.
9860 Metarhizium sp.	9930 Lecanicillium sp.	10000 Metarhizium robertsii
9861 Metarhizium sp.	9931 Lecanicillium sp.	10001 Metarhizium sp.
9862 Metarhizium sp.	9932 Mariannaea sp.	10002 Metarhizium sp.
9863 Metarhizium sp.	9933 Mariannaea sp.	10003 Metarhizium sp.
9864 Metarhizium sp.	9934 Mariannaea sp.	10004 Metarhizium sp.
9865 Metarhizium sp.	9935 Lecanicillium sp.	10005 Metarhizium sp.
9866 Metarhizium sp.	9936 Lecanicillium sp.	10006 Metarhizium sp.
9867 Metarhizium sp.	9937 Fusarium sp.	10007 Metarhizium sp.
9868 Metarhizium sp.	9938 Trichoderma sp.	10008 Metarhizium sp.
9869 Metarhizium sp.	9939 Metarhizium anisopliae sensu lato	10009 Metarhizium sp.
9870 Metarhizium sp.	9940 Conidiobolus coronatus	10010 Metarhizium sp.
9871 Metarhizium sp.	9941 Conidiobolus coronatus	10011 Metarhizium sp.
9872 Metarhizium sp.	9942 Conidiobolus coronatus	10012 Metarhizium sp.
9873 Metarhizium sp.	9943 Scopulariopsis brevicaulis	10013 Metarhizium sp.
9874 Metarhizium sp.	9944 Isaria farinosa	10014 Metarhizium sp.
9875 Metarhizium sp.	9945 Isaria farinosa	10015 Metarhizium sp.
9876 Metarhizium sp.	9946 Metarhizium sp.	10016 Metarhizium sp.
9877 Metarhizium sp.	9947 Metarhizium sp.	10017 Metarhizium sp.
9878 Metarhizium sp.	9948 Metarhizium sp.	10018 Metarhizium sp.
9879 Metarhizium sp.	9949 Metarhizium sp.	10019 Metarhizium sp.
9880 Metarhizium sp.	9950 Metarhizium sp.	10020 Metarhizium sp.
9881 Metarhizium sp.	9951 Metarhizium sp.	10021 Metarhizium sp.
9882 Metarhizium sp.	9952 Metarhizium sp.	10022 Metarhizium sp.
9883 Metarhizium sp.	9953 Metarhizium sp.	10023 Metarhizium sp.
9884 Metarhizium sp.	9954 Metarhizium sp.	10024 Metarhizium sp.
9885 Metarhizium sp.	9955 Metarhizium sp.	10025 Metarhizium sp.
9886 Metarhizium sp.	9956 Metarhizium sp.	10026 Metarhizium sp.
9887 Basidiobolus sp.	9957 Metarhizium sp.	10027 Metarhizium sp.
9888 Basidiobolus sp.	9958 Metarhizium sp.	10028 Metarhizium sp.
9889 Basidiobolus sp.	9959 Metarhizium sp.	10029 Metarhizium sp.
9890 Basidiobolus sp.	9960 Metarhizium sp.	10030 Metarhizium sp.
9891 Basidiobolus sp.	9961 Metarhizium sp.	10031 Metarhizium sp.
9892 Basidiobolus sp.	9962 Metarhizium sp.	10032 Metarhizium sp.

10033	Metarhizium sp.	10103	Metarhizium sp.	10173	Lecanicillium muscarium
10034	Metarhizium sp.	10104	Metarhizium sp.	10174	Lecanicillium wallacei(?)
10035	Metarhizium sp.	10105	Metarhizium sp.	10175	Lecanicillium psalliotae
10036	Metarhizium sp.	10106	Metarhizium sp.	10176	Lecanicillium psalliotae
10037	Metarhizium sp.	10107	Metarhizium sp.	10177	Lecanicillium psalliotae
10038	Metarhizium sp.	10108	Metarhizium sp.	10178	Lecanicillium muscarium
10039	Metarhizium sp.	10109	Metarhizium sp.	10179	Lecanicillium psalliotae
10040	Metarhizium sp.	10110	Metarhizium sp.	10180	Lecanicillium psalliotae
10041	Metarhizium sp.	10111	Metarhizium sp.	10181	Lecanicillium psalliotae
10042	Metarhizium sp.	10112	Metarhizium sp.	10182	Lecanicillium psalliotae
10043	Metarhizium sp.	10113	Metarhizium sp.	10183	Lecanicillium psalliotae(?)
10044	Metarhizium sp.	10114	Metarhizium sp.	10184	Lecanicillium fusisporum(?)
10045	Metarhizium sp.	10115	Metarhizium sp.	10185	Mariannaea sp.
10046	Metarhizium sp.	10116	Metarhizium sp.	10186	Beauveria bassiana
10047	Metarhizium sp.	10117	Metarhizium sp.	10187	Lecanicillium sp.
10048	Metarhizium sp.	10118	Metarhizium sp.	10188	Lecanicillium sp.
10049	Metarhizium sp.	10119	Metarhizium sp.	10189	Lecanicillium sp.
10050	Metarhizium sp.	10120	Metarhizium sp.	10190	Lecanicillium sp.
10051	Metarhizium sp.	10121	Metarhizium sp.	10191	Unidentified / Hyphomycetes
10052	Metarhizium sp.	10122	Metarhizium sp.	10192	Lecanicillium sp.
10053	Metarhizium sp.	10123	Metarhizium sp.	10193	Lecanicillium sp.
10054	Metarhizium sp.	10124	Metarhizium sp.	10194	Mariannaea sp.
10055	Metarhizium sp.	10125	Metarhizium sp.	10195	Lecanicillium sp.
10056	Metarhizium sp.	10126	Metarhizium sp.	10196	Lecanicillium sp.
10057	Metarhizium sp.	10127	Purpureocillium lilacinum	10197	Lecanicillium sp.
10058	Metarhizium sp.	10128	Purpureocillium lilacinum	10198	Lecanicillium sp.
10059	Metarhizium sp.	10129	Purpureocillium lilacinum	10199	Lecanicillium sp.
10060	Metarhizium sp.	10130	Purpureocillium lilacinum	10200	Lecanicillium sp.
10061	Metarhizium sp.	10131	Metarhizium anisopliae sensu lato	10201	Lecanicillium sp.
10062	Metarhizium sp.	10132	Tilachlidium sp.	10202	Lecanicillium sp.
10063	Metarhizium sp.	10133	Hirsutella homalodiscae(?)	10203	Lecanicillium sp.
10064	Metarhizium sp.	10134	Hirsutella homalodiscae(?)	10204	Mariannaea sp.
10065	Metarhizium sp.	10135	Metarhizium anisopliae sensu lato	10205	Mariannaea sp.
10066	Metarhizium sp.	10136	Metarhizium anisopliae sensu lato	10206	Lecanicillium sp.
10067	Metarhizium sp.	10137	Metarhizium anisopliae sensu lato	10207	Lecanicillium sp.
10068	Metarhizium sp.	10138	Beauveria bassiana	10208	Lecanicillium sp.
10069	Metarhizium sp.	10139	Beauveria bassiana	10209	Lecanicillium sp.
10070	Metarhizium sp.	10140	Beauveria bassiana	10210	Lecanicillium sp.
10071	Metarhizium sp.	10141	Beauveria bassiana	10211	Lecanicillium sp.
10072	Metarhizium sp.	10142	Beauveria bassiana	10212	Lecanicillium sp.
10073	Metarhizium sp.	10143	Beauveria bassiana	10213	Lecanicillium sp.
10074	Metarhizium sp.	10144	Beauveria bassiana	10214	Lecanicillium sp.
10075	Metarhizium sp.	10145	Beauveria bassiana	10215	Lecanicillium sp.
10076	Metarhizium sp.	10146	Tolypocladium cylindrosporium	10216	Lecanicillium sp.
10077	Metarhizium sp.	10147	Beauveria bassiana	10217	Lecanicillium sp.
10078	Metarhizium sp.	10148	Beauveria bassiana	10218	Lecanicillium sp.
10079	Metarhizium sp.	10149	Beauveria bassiana	10219	Colletotrichum fioriniae
10080	Metarhizium sp.	10150	Mariannaea sp.	10220	Colletotrichum fioriniae
10081	Metarhizium sp.	10151	Mariannaea sp.	10221	Colletotrichum fioriniae
10082	Metarhizium sp.	10152	Mariannaea sp.	10222	Colletotrichum fioriniae
10083	Metarhizium sp.	10153	Mariannaea sp.	10223	Colletotrichum fioriniae
10084	Metarhizium sp.	10154	Lecanicillium sp.	10224	Isaria fumosorosea
10085	Metarhizium sp.	10155	Isaria farinosa	10225	Purpureocillium lilacinum
10086	Metarhizium sp.	10156	Isaria farinosa	10226	Fusarium oxysporum
10087	Metarhizium sp.	10157	Isaria farinosa	10227	Fusarium niveum(?)
10088	Metarhizium sp.	10158	Isaria farinosa	10228	Hirsutella homalodiscae
10089	Metarhizium sp.	10159	Isaria farinosa	10229	Hirsutella homalodiscae
10090	Metarhizium sp.	10160	Isaria farinosa	10230	Sporothrix sp.
10091	Metarhizium sp.	10161	Isaria farinosa	10231	Isaria sp.
10092	Metarhizium sp.	10162	Isaria sp.	10232	Isaria sp.
10093	Metarhizium sp.	10163	Isaria coleopterorum	10233	Isaria sp.
10094	Metarhizium sp.	10164	Lecanicillium sp.	10234	Isaria sp.
10095	Metarhizium sp.	10165	Isaria farinosa	10235	Isaria sp.
10096	Metarhizium sp.	10166	Acremonium bactrocephalum	10236	Isaria sp.
10097	Metarhizium sp.	10167	Acremonium bactrocephalum	10237	Isaria sp.
10098	Metarhizium sp.	10168	Acremonium bactrocephalum	10238	Isaria sp.
10099	Metarhizium sp.	10169	Acremonium bactrocephalum	10239	Isaria sp.
10100	Metarhizium sp.	10170	Lecanicillium psalliotae	10240	Isaria sp.
10101	Metarhizium sp.	10171	Unidentified / Hyphomycetes	10241	Isaria sp.
10102	Metarhizium sp.	10172	Lecanicillium wallacei(?)	10242	Isaria sp.

10243	Isaria sp.	10314	Metarhizium sp.	10384	Isaria sp.
10244	Isaria sp.	10315	Metarhizium sp.	10385	Isaria sp.
10245	Isaria sp.	10316	Metarhizium sp.	10386	Unidentified / Hyphomycetes
10246	Isaria sp.	10317	Metarhizium sp.	10387	Unidentified / Hyphomycetes
10247	Isaria sp.	10318	Metarhizium sp.	10388	Fusarium sp.
10248	Isaria sp.	10319	Metarhizium sp.	10389	Fusarium sp.
10249	Isaria sp.	10320	Metarhizium sp.	10390	Fusarium sp.
10250	Isaria sp.	10321	Metarhizium sp.	10391	Fusarium sp.
10251	Isaria sp.	10322	Metarhizium sp.	10392	Unidentified / Hyphomycetes
10252	Isaria sp.	10323	Metarhizium sp.	10393	Beauveria bassiana
10253	Isaria sp.	10324	Metarhizium sp.	10394	Beauveria bassiana
10254	Isaria sp.	10325	Metarhizium sp.	10395	Beauveria bassiana
10255	Isaria sp.	10326	Metarhizium sp.	10396	Beauveria bassiana
10256	Isaria sp.	10327	Metarhizium sp.	10397	Beauveria bassiana
10257	Isaria sp.	10328	Metarhizium sp.	10398	Beauveria bassiana
10258	Isaria fumosorosea	10329	Metarhizium sp.	10399	Beauveria bassiana
10259	Isaria sp.	10330	Metarhizium sp.	10400	Beauveria bassiana
10260	Triacutus subcuticularis	10331	Metarhizium sp.	10401	Beauveria bassiana
10261	Pochonia sp.	10332	Metarhizium sp.	10402	Beauveria bassiana
10262	Pseudomeria mucosa	10333	Metarhizium sp.	10403	Beauveria bassiana
10263	Rotiferophthora sp.	10334	Metarhizium sp.	10404	Beauveria bassiana
10264	Rotiferophthora sp.	10335	Metarhizium sp.	10405	Beauveria bassiana
10265	Rotiferophthora sp.	10336	Metarhizium sp.	10406	Beauveria bassiana
10266	Rotiferophthora sp.	10337	Metarhizium sp.	10407	Beauveria bassiana
10267	Rotiferophthora barronii	10338	Metarhizium sp.	10408	Beauveria bassiana
10269	Rotiferophthora guttulaspora	10339	Metarhizium sp.	10409	Beauveria bassiana
10270	Rotiferophthora intermedia	10340	Metarhizium sp.	10410	Beauveria bassiana
10271	Harposporium spirosporium	10341	Metarhizium sp.	10411	Beauveria bassiana
10272	Pseudomeria mucosa	10342	Metarhizium sp.	10412	Beauveria bassiana
10273	Rotiferophthora cylindrospora	10343	Metarhizium sp.	10413	Beauveria bassiana
10274	Rotiferophthora ovispora	10344	Metarhizium sp.	10414	Beauveria bassiana
10275	Harposporium botuliforme	10345	Metarhizium sp.	10415	Beauveria bassiana
10276	Aschersonia sp.	10346	Metarhizium sp.	10416	Beauveria bassiana
10277	Beauveria brongniartii	10347	Beauveria bassiana	10417	Beauveria bassiana
10278	Beauveria brongniartii	10348	Beauveria bassiana	10418	Beauveria bassiana
10279	Beauveria brongniartii	10349	Beauveria bassiana	10419	Beauveria bassiana
10280	Beauveria brongniartii	10350	Beauveria bassiana	10420	Beauveria bassiana
10281	Unidentified / Hyphomycetes	10351	Beauveria bassiana	10421	Beauveria bassiana
10282	Unidentified / Hyphomycetes	10352	Beauveria bassiana	10422	Beauveria bassiana
10283	Unidentified / Hyphomycetes	10353	Beauveria bassiana	10423	Beauveria bassiana
10284	Unidentified / Hyphomycetes	10354	Beauveria bassiana	10424	Beauveria bassiana
10285	Unidentified / Hyphomycetes	10355	Beauveria bassiana	10425	Beauveria bassiana
10286	Unidentified / Hyphomycetes	10356	Beauveria bassiana	10426	Beauveria bassiana
10287	Lecanicillium sp.	10357	Beauveria bassiana	10427	Beauveria bassiana
10288	Lecanicillium sp.	10358	Beauveria bassiana	10428	Beauveria bassiana
10289	Lecanicillium sp.	10359	Beauveria bassiana	10429	Beauveria bassiana
10290	Lecanicillium sp.	10360	Beauveria bassiana	10430	Beauveria bassiana
10291	Lecanicillium sp.	10361	Beauveria bassiana	10431	Beauveria bassiana
10292	Unidentified / Hyphomycetes	10362	Beauveria bassiana	10432	Beauveria bassiana
10293	Unidentified / Hyphomycetes	10363	Isaria sp.	10433	Beauveria bassiana
10294	Lecanicillium sp.	10364	Isaria sp.	10434	Beauveria bassiana
10295	Lecanicillium sp.	10365	Isaria sp.	10435	Beauveria bassiana
10296	Lecanicillium sp.	10366	Isaria sp.	10436	Beauveria bassiana
10297	Lecanicillium sp.	10367	Isaria sp.	10437	Beauveria bassiana
10298	Lecanicillium sp.	10368	Isaria sp.	10438	Beauveria bassiana
10299	Lecanicillium sp.	10369	Isaria sp.	10439	Beauveria bassiana
10300	Lecanicillium sp.	10370	Isaria sp.	10440	Beauveria bassiana
10301	Lecanicillium sp.	10371	Isaria sp.	10441	Beauveria bassiana
10302	Lecanicillium sp.	10372	Isaria sp.	10442	Beauveria bassiana
10303	Lecanicillium sp.	10373	Isaria sp.	10443	Beauveria bassiana
10304	Lecanicillium sp.	10374	Isaria sp.	10444	Beauveria bassiana
10305	Lecanicillium sp.	10375	Isaria sp.	10445	Beauveria bassiana
10306	Lecanicillium sp.	10376	Isaria sp.	10446	Beauveria bassiana
10307	Unidentified / Hyphomycetes	10377	Isaria sp.	10447	Beauveria bassiana
10308	Colletotrichum sp.	10378	Isaria sp.	10448	Beauveria bassiana
10309	Scopulariopsis sp.	10379	Isaria sp.	10449	Beauveria bassiana
10310	Scopulariopsis sp.	10380	Isaria sp.	10450	Beauveria bassiana
10311	Fusarium sp.	10381	Isaria sp.	10451	Beauveria bassiana
10312	Fusarium sp.	10382	Isaria sp.	10452	Beauveria bassiana
10313	Fusarium sp.	10383	Isaria sp.	10453	Beauveria bassiana

10454	Beauveria bassiana	10524	Beauveria bassiana	10594	Beauveria pseudobassiana
10455	Beauveria bassiana	10525	Beauveria bassiana	10595	Beauveria bassiana
10456	Beauveria bassiana	10526	Beauveria bassiana	10596	Beauveria bassiana
10457	Beauveria bassiana	10527	Beauveria bassiana	10597	Beauveria bassiana
10458	Beauveria bassiana	10528	Beauveria bassiana	10598	Beauveria pseudobassiana
10459	Beauveria bassiana	10529	Beauveria bassiana	10599	Beauveria bassiana
10460	Beauveria bassiana	10530	Beauveria bassiana	10600	Beauveria bassiana
10461	Beauveria bassiana	10531	Beauveria bassiana	10601	Beauveria bassiana
10462	Beauveria bassiana	10532	Beauveria bassiana	10602	Beauveria bassiana
10463	Beauveria bassiana	10533	Beauveria bassiana	10603	Beauveria bassiana
10464	Beauveria bassiana	10534	Beauveria bassiana	10604	Beauveria bassiana
10465	Beauveria bassiana	10535	Beauveria bassiana	10605	Beauveria bassiana
10466	Beauveria bassiana	10536	Beauveria bassiana	10606	Beauveria bassiana
10467	Beauveria bassiana	10537	Beauveria bassiana	10607	Beauveria bassiana
10468	Beauveria bassiana	10538	Beauveria bassiana	10608	Beauveria pseudobassiana
10469	Metarhizium anisopliae sensu lato	10539	Beauveria bassiana	10609	Beauveria bassiana
10470	Fusarium sp.	10540	Beauveria bassiana	10610	Beauveria bassiana
10471	Beauveria bassiana	10541	Beauveria bassiana	10611	Beauveria bassiana
10472	Metarhizium anisopliae sensu stricto	10542	Beauveria bassiana	10612	Beauveria bassiana
10473	Metarhizium anisopliae sensu stricto	10543	Beauveria bassiana	10613	Beauveria bassiana
10474	Metarhizium anisopliae sensu stricto	10544	Beauveria bassiana	10614	Beauveria bassiana
10475	Metarhizium anisopliae sensu stricto	10545	Beauveria bassiana	10615	Beauveria bassiana
10476	Metarhizium anisopliae sensu stricto	10546	Beauveria bassiana	10616	Beauveria pseudobassiana
10477	Metarhizium anisopliae sensu stricto	10547	Myriodontium keratinophilum	10617	Beauveria bassiana
10478	Beauveria bassiana	10548	Beauveria bassiana	10618	Beauveria pseudobassiana
10479	Beauveria bassiana	10549	Beauveria bassiana	10619	Beauveria bassiana
10480	Beauveria pseudobassiana	10550	Beauveria bassiana	10620	Beauveria bassiana
10481	Beauveria bassiana	10551	Beauveria bassiana	10621	Beauveria bassiana
10482	Beauveria bassiana	10552	Beauveria bassiana	10622	Beauveria bassiana
10483	Beauveria bassiana	10553	Beauveria bassiana	10623	Beauveria pseudobassiana
10484	Beauveria bassiana	10554	Beauveria bassiana	10624	Beauveria bassiana
10485	Beauveria bassiana	10555	Beauveria bassiana	10625	Beauveria bassiana
10486	Beauveria bassiana	10556	Beauveria bassiana	10626	Beauveria bassiana
10487	Beauveria bassiana	10557	Beauveria bassiana	10627	Beauveria bassiana
10488	Beauveria bassiana	10558	Beauveria bassiana	10628	Beauveria pseudobassiana
10489	Beauveria bassiana	10559	Beauveria bassiana	10629	Beauveria bassiana
10490	Beauveria bassiana	10560	Beauveria bassiana	10630	Beauveria pseudobassiana
10491	Beauveria bassiana	10561	Beauveria bassiana	10631	Beauveria bassiana
10492	Beauveria pseudobassiana	10562	Beauveria bassiana	10632	Beauveria bassiana
10493	Beauveria bassiana	10563	Beauveria bassiana	10633	Beauveria bassiana
10494	Beauveria bassiana	10564	Beauveria bassiana	10634	Beauveria pseudobassiana
10495	Beauveria bassiana	10565	Beauveria bassiana	10635	Beauveria pseudobassiana
10496	Beauveria bassiana	10566	Beauveria bassiana	10636	Beauveria bassiana
10497	Beauveria bassiana	10567	Beauveria bassiana	10637	Beauveria bassiana
10498	Beauveria bassiana	10568	Beauveria bassiana	10638	Beauveria bassiana
10499	Beauveria pseudobassiana	10569	Beauveria bassiana	10639	Beauveria bassiana
10500	Beauveria bassiana	10570	Beauveria bassiana	10640	Beauveria bassiana
10501	Beauveria bassiana	10571	Beauveria bassiana	10641	Beauveria bassiana
10502	Beauveria bassiana	10572	Beauveria bassiana	10642	Beauveria bassiana
10503	Beauveria bassiana	10573	Beauveria bassiana	10643	Beauveria bassiana
10504	Beauveria bassiana	10574	Beauveria bassiana	10644	Beauveria pseudobassiana
10505	Beauveria bassiana	10575	Beauveria pseudobassiana	10645	Beauveria bassiana
10506	Beauveria bassiana	10576	Beauveria bassiana	10646	Beauveria pseudobassiana
10507	Beauveria bassiana	10577	Beauveria bassiana	10647	Beauveria bassiana
10508	Beauveria bassiana	10578	Beauveria bassiana	10648	Beauveria pseudobassiana
10509	Beauveria bassiana	10579	Beauveria bassiana	10649	Beauveria bassiana
10510	Beauveria bassiana	10580	Beauveria bassiana	10650	Beauveria amorpha
10511	Beauveria bassiana	10581	Beauveria bassiana	10651	Beauveria bassiana
10512	Beauveria bassiana	10582	Beauveria bassiana	10652	Beauveria bassiana
10513	Beauveria bassiana	10583	Beauveria bassiana	10653	Beauveria bassiana
10514	Beauveria bassiana	10584	Beauveria bassiana	10654	Beauveria bassiana
10515	Beauveria bassiana	10585	Beauveria bassiana	10655	Beauveria bassiana
10516	Beauveria bassiana	10586	Beauveria bassiana	10656	Beauveria bassiana
10517	Beauveria bassiana	10587	Beauveria bassiana	10657	Beauveria bassiana
10518	Beauveria bassiana	10588	Beauveria bassiana	10658	Beauveria pseudobassiana
10519	Beauveria bassiana	10589	Beauveria bassiana	10659	Beauveria bassiana
10520	Beauveria bassiana	10590	Beauveria bassiana	10660	Beauveria bassiana
10521	Beauveria bassiana	10591	Beauveria bassiana	10661	Beauveria bassiana
10522	Beauveria bassiana	10592	Beauveria bassiana	10662	Beauveria bassiana
10523	Beauveria bassiana	10593	Beauveria bassiana	10663	Beauveria bassiana

11504	Beauveria bassiana	11574	Beauveria bassiana	11644	Lecanicillium sp.
11505	Beauveria bassiana	11575	Beauveria bassiana	11645	Lecanicillium sp.
11506	Beauveria bassiana	11576	Beauveria bassiana	11646	Lecanicillium sp.
11507	Beauveria bassiana	11577	Beauveria bassiana	11647	Lecanicillium sp.
11508	Beauveria bassiana	11578	Beauveria bassiana	11648	Lecanicillium sp.
11509	Beauveria bassiana	11579	Beauveria bassiana	11649	Lecanicillium sp.
11510	Beauveria bassiana	11580	Beauveria bassiana	11650	Conidiobolus sp.
11511	Beauveria bassiana	11581	Beauveria bassiana	11651	Conidiobolus coronatus
11512	Beauveria bassiana	11582	Beauveria bassiana	11652	Scopulariopsis sp.
11513	Beauveria bassiana	11583	Beauveria bassiana	11653	Geotrichum sp.
11514	Beauveria bassiana	11584	Beauveria bassiana	11654	Geotrichum sp.
11515	Beauveria bassiana	11585	Beauveria bassiana	11655	Fusarium sp.
11516	Beauveria bassiana	11586	Beauveria bassiana	11656	Isaria farinosa
11517	Beauveria bassiana	11587	Beauveria bassiana	11657	Isaria fumosorosea
11518	Beauveria bassiana	11588	Beauveria bassiana	11658	Isaria fumosorosea
11519	Beauveria bassiana	11589	Beauveria bassiana	11659	Isaria fumosorosea
11520	Beauveria bassiana	11590	Beauveria bassiana	11660	Beauveria bassiana
11521	Beauveria bassiana	11591	Beauveria bassiana	11661	Metarhizium anisopliae sensu lato
11522	Beauveria bassiana	11592	Beauveria bassiana	11662	Pandora neoaphidis
11523	Beauveria bassiana	11593	Beauveria bassiana	11663	Pandora neoaphidis
11524	Beauveria bassiana	11594	Beauveria bassiana	11664	Conidiobolus thromboides
11525	Beauveria bassiana	11595	Beauveria bassiana	11665	Hirsutella citriformis
11526	Beauveria bassiana	11596	Beauveria bassiana	11666	Unidentified / Hyphomycetes
11527	Beauveria bassiana	11597	Beauveria bassiana	11667	Acremonium sp.
11528	Beauveria bassiana	11598	Beauveria bassiana	11668	Metarhizium sp.
11529	Beauveria bassiana	11599	Beauveria bassiana	11669	Metarhizium sp.
11530	Beauveria bassiana	11600	Beauveria bassiana	11670	Fusarium sp.
11531	Beauveria bassiana	11601	Beauveria bassiana	11671	Fusarium sp.
11532	Beauveria bassiana	11602	Beauveria bassiana	11672	Fusarium sp.
11533	Beauveria bassiana	11603	Beauveria bassiana	11673	Fusarium sp.
11534	Beauveria bassiana	11604	Beauveria bassiana	11674	Fusarium sp.
11535	Beauveria bassiana	11605	Beauveria bassiana	11675	Fusarium sp.
11536	Beauveria bassiana	11606	Beauveria bassiana	11676	Mixed Culture sp.
11537	Beauveria bassiana	11607	Beauveria bassiana	11677	Fusarium sp.
11538	Beauveria bassiana	11608	Beauveria bassiana	11678	Clonostachys rosea
11539	Beauveria bassiana	11609	Beauveria bassiana	11679	Fusarium sp.
11540	Beauveria bassiana	11610	Beauveria bassiana	11680	Fusarium sp.
11541	Beauveria bassiana	11611	Beauveria bassiana	11681	Penicillium sp.
11542	Beauveria bassiana	11612	Beauveria bassiana	11682	Clonostachys rosea
11543	Beauveria bassiana	11613	Beauveria bassiana	11683	Penicillium sp.
11544	Beauveria bassiana	11614	Beauveria bassiana	11684	Fusarium sp.
11545	Beauveria bassiana	11615	Beauveria bassiana	11685	Metarhizium sp.
11546	Beauveria bassiana	11616	Beauveria bassiana	11686	Metarhizium sp.
11547	Beauveria bassiana	11617	Beauveria bassiana	11687	Clonostachys rosea
11548	Beauveria bassiana	11618	Beauveria bassiana	11688	Beauveria bassiana
11549	Beauveria bassiana	11619	Beauveria bassiana	11689	Clonostachys rosea
11550	Beauveria bassiana	11620	Beauveria bassiana	11690	Clonostachys rosea
11551	Beauveria bassiana	11621	Beauveria bassiana	11691	Clonostachys rosea
11552	Beauveria bassiana	11622	Beauveria bassiana	11692	Clonostachys rosea
11553	Beauveria bassiana	11623	Beauveria bassiana	11693	Sterile mycelium
11554	Beauveria bassiana	11624	Beauveria bassiana	11694	Metarhizium anisopliae sensu lato
11555	Beauveria bassiana	11625	Beauveria bassiana	11695	Clonostachys rosea
11556	Beauveria bassiana	11626	Beauveria bassiana	11696	Lecanicillium sp.
11557	Beauveria bassiana	11627	Beauveria bassiana	11697	Fusarium sp.
11558	Beauveria bassiana	11628	Isaria sp.	11698	Myriodontium keratinophilum
11559	Beauveria bassiana	11629	Isaria sp.	11699	Clonostachys rosea
11560	Beauveria bassiana	11630	Isaria sp.	11700	Clonostachys rosea
11561	Beauveria bassiana	11631	Isaria sp.	11701	Clonostachys rosea
11562	Beauveria bassiana	11632	Isaria sp.	11702	Clonostachys rosea
11563	Beauveria bassiana	11633	Isaria sp.	11703	Cordyceps militaris
11564	Beauveria bassiana	11634	Isaria sp.	11704	Cordyceps militaris
11565	Beauveria bassiana	11635	Isaria sp.	11705	Isaria tenuipes
11566	Beauveria bassiana	11636	Isaria sp.	11706	Isaria tenuipes
11567	Beauveria bassiana	11637	Metarhizium anisopliae sensu lato	11707	Isaria tenuipes
11568	Beauveria bassiana	11638	Lecanicillium sp.	11708	Beauveria bassiana
11569	Beauveria bassiana	11639	Lecanicillium sp.	11709	Beauveria sp.
11570	Beauveria bassiana	11640	Lecanicillium sp.	11710	Isaria farinosa
11571	Beauveria bassiana	11641	Lecanicillium sp.	11711	Beauveria bassiana
11572	Beauveria bassiana	11642	Lecanicillium sp.	11712	Beauveria bassiana
11573	Beauveria bassiana	11643	Lecanicillium sp.	11713	Beauveria bassiana

11714 Beauveria sp.	11784 Unidentified sp.	11851 Metarhiziosis microspora
11715 Beauveria bassiana	11785 Lecanicillium evansii(?)	11852 Myriangium sp.
11716 Beauveria bassiana	11786 Pochonia chlamydosporia var. chlamydosporia	11853 Myriangium sp.
11717 Beauveria bassiana	11787 Lecanicillium fusisporum	11854 Myriangium sp.
11718 Mixed Culture sp.	11788 Evlachovaea sp.	11855 Myriangium sp.
11719 Beauveria bassiana	11789 Lecanicillium evansii(?)	11856 Myriangium sp.
11720 Beauveria bassiana	11790 Fusarium sp.	11857 Myriangium sp.
11721 Isaria farinosa	11791 Lecanicillium evansii(?)	11858 Myriangium sp.
11722 Isaria cateniannulata	11792 Lecanicillium evansii(?)	11859 Zoophthora radicans
11723 Cordyceps pruinosa	11793 Lecanicillium evansii(?)	11860 Zoophthora radicans
11724 Cordyceps pruinosa	11794 Lecanicillium evansii(?)	11861 Zoophthora radicans
11725 Simplicillium lamellicola(?)	11795 Lecanicillium evansii(?)	11862 Pandora neoaphidis
11726 Isaria cicadae	11796 Lecanicillium evansii(?)	11863 Pandora neoaphidis
11727 Simplicillium lamellicola	11797 Lecanicillium evansii(?)	11864 Hirsutella myrmicarum
11728 Simplicillium lamellicola	11798 Lecanicillium sp.	11865 Fusarium sp.
11729 Simplicillium lamellicola	11799 Lecanicillium nr. araneorum	11866 Cladosporium sp.
11730 Lecanicillium muscarium	11800 Pochonia bulbillosa	11867 Conidiobolus sp.
11731 Lecanicillium muscarium	11801 Pochonia chlamydosporia var. chlamydosporia	11868 Aschersonia turbinata
11732 Simplicillium lamellicola	11802 Lecanicillium muscarium	11869 Aschersonia turbinata
11733 Lecanicillium muscarium	11803 Lecanicillium muscarium	11870 Moelleriella neosporea
11734 Lecanicillium muscarium	11804 Lecanicillium evansii(?)	11871 Moelleriella umbospora
11735 Simplicillium lamellicola	11805 Lecanicillium evansii(?)	11872 Pandora delphacis
11736 Lecanicillium muscarium	11806 Lecanicillium evansii(?)	11873 Pandora delphacis
11737 Simplicillium lamellicola	11807 Lecanicillium evansii(?)	11874 Beauveria bassiana
11738 Simplicillium lamellicola(?)	11808 Lecanicillium fusisporum	11875 Beauveria bassiana
11739 Beauveria sp.	11809 Lecanicillium evansii(?)	11876 Beauveria bassiana
11740 Simplicillium lamellicola(?)	11810 Pochonia chlamydosporia var. chlamydosporia	11877 Beauveria bassiana
11741 Beauveria lii	11811 Lecanicillium nr. araneorum	11878 Beauveria bassiana
11742 Metarhizium anisopliae sensu lato	11812 Mariannaea sp.	11879 Beauveria bassiana
11743 Beauveria sp.	11813 Mariannaea sp.	11880 Beauveria bassiana
11744 Beauveria sp.	11814 Mariannaea sp.	11881 Beauveria bassiana
11745 Beauveria sp.	11815 Lecanicillium lecanii(?)	11882 Beauveria bassiana
11746 Beauveria sp.	11816 Lecanicillium muscarium(?)	11883 Beauveria bassiana
11747 Beauveria sp.	11817 Lecanicillium lecanii	11884 Beauveria bassiana
11748 Lecanicillium sp.	11818 Lecanicillium muscarium	11885 Beauveria bassiana
11749 Purpureocillium lilacinum	11819 Hirsutella thompsonii	11886 Beauveria bassiana
11750 Purpureocillium lilacinum	11820 Hirsutella rhossiliensis	11887 Beauveria bassiana
11751 Purpureocillium lilacinum	11821 Paecilomyces carneus	11888 Beauveria bassiana
11752 Unidentified / Hyphomycetes	11822 Isaria farinosa	11889 Beauveria bassiana
11753 Isaria sp.	11823 Isaria farinosa	11890 Beauveria bassiana
11754 Beauveria sp.	11824 Isaria farinosa	11891 Beauveria bassiana
11755 Hirsutella sp.	11825 Isaria farinosa	11892 Beauveria bassiana
11756 Hirsutella sp.	11826 Isaria farinosa	11893 Beauveria bassiana
11757 Hirsutella sp.	11827 Isaria farinosa	11894 Beauveria bassiana
11758 Hirsutella sp.	11828 Isaria farinosa	11895 Beauveria bassiana
11759 Hirsutella sp.	11829 Isaria farinosa	11896 Beauveria bassiana
11760 Hirsutella sp.	11830 Isaria farinosa	11897 Beauveria bassiana
11761 Hirsutella sp.	11831 Isaria farinosa	11898 Beauveria bassiana
11762 Mucor fragilis	11832 Isaria farinosa	11899 Beauveria bassiana
11763 Conidiobolus sp.	11833 Isaria farinosa	11900 Beauveria bassiana
11764 Pandora sp.	11834 Isaria farinosa	11901 Beauveria bassiana
11765 Conidiobolus sp.	11835 Isaria farinosa	11902 Beauveria bassiana
11766 Basidiobolus sp.	11836 Paecilomyces carneus	11903 Beauveria bassiana
11767 Basidiobolus sp.	11837 Myriodontium keratinophilum	11904 Beauveria bassiana
11768 Basidiobolus sp.	11838 Myriodontium keratinophilum	11905 Beauveria bassiana
11769 Basidiobolus sp.	11839 Metarhizium sp.	11906 Beauveria bassiana
11770 Basidiobolus sp.	11840 Metarhizium anisopliae sensu lato	11907 Beauveria bassiana
11771 Basidiobolus sp.	11841 Beauveria bassiana	11908 Beauveria bassiana
11772 Basidiobolus sp.	11842 Metarhiziosis microspora	11909 Beauveria bassiana
11773 Basidiobolus sp.	11843 Metarhiziosis microspora	11910 Beauveria bassiana
11774 Basidiobolus sp.	11844 Beauveria bassiana	11911 Beauveria bassiana
11775 Basidiobolus sp.	11845 Beauveria bassiana	11912 Beauveria bassiana
11776 Basidiobolus sp.	11846 Beauveria bassiana	11913 Beauveria bassiana
11777 Basidiobolus sp.	11847 Beauveria bassiana	11914 Beauveria bassiana
11778 Basidiobolus sp.	11848 Beauveria bassiana	11915 Beauveria bassiana
11779 Basidiobolus sp.	11849 Metarhizium sp.	11916 Beauveria bassiana
11780 Basidiobolus sp.	11850 Metarhizium anisopliae sensu lato	11917 Beauveria bassiana
11781 Basidiobolus sp.		11918 Beauveria bassiana
11782 Basidiobolus sp.		11919 Beauveria bassiana
11783 Basidiobolus sp.		11920 Beauveria bassiana

11921	Beauveria bassiana	11991	Beauveria bassiana	12061	Lecanicillium sp.
11922	Beauveria bassiana	11992	Beauveria bassiana	12062	Lecanicillium sp.
11923	Beauveria bassiana	11993	Beauveria bassiana	12063	Lecanicillium sp.
11924	Beauveria bassiana	11994	Beauveria bassiana	12064	Lecanicillium sp.
11925	Beauveria bassiana	11995	Beauveria bassiana	12065	Lecanicillium sp.
11926	Beauveria bassiana	11996	Beauveria bassiana	12066	Lecanicillium sp.
11927	Beauveria bassiana	11997	Beauveria bassiana	12067	Lecanicillium sp.
11928	Beauveria bassiana	11998	Myriodontium keratinophilum	12068	Lecanicillium sp.
11929	Beauveria bassiana	11999	Beauveria bassiana	12069	Lecanicillium sp.
11930	Beauveria bassiana	12000	Beauveria bassiana	12070	Lecanicillium sp.
11931	Beauveria bassiana	12001	Beauveria bassiana	12071	Lecanicillium sp.
11932	Beauveria bassiana	12002	Beauveria bassiana	12072	Fusarium sp.
11933	Beauveria bassiana	12003	Beauveria bassiana	12073	Fusarium sp.
11934	Beauveria bassiana	12004	Beauveria bassiana	12074	Fusarium sp.
11935	Beauveria bassiana	12005	Myriodontium keratinophilum	12075	Fusarium sp.
11936	Beauveria bassiana	12006	Beauveria bassiana	12076	Fusarium sp.
11937	Beauveria bassiana	12007	Beauveria bassiana	12077	Fusarium sp.
11938	Beauveria bassiana	12008	Beauveria bassiana	12078	Fusarium sp.
11939	Nomuraea rileyi	12009	Beauveria bassiana	12079	Fusarium sp.
11940	Nomuraea rileyi	12010	Beauveria bassiana	12080	Rhinocladiella(?) sp.
11941	Nomuraea rileyi	12011	Beauveria bassiana	12081	Rhinocladiella(?) sp.
11942	Nomuraea rileyi	12012	Beauveria bassiana	12082	Rhinocladiella(?) sp.
11943	Nomuraea rileyi	12013	Beauveria bassiana	12083	Colletotrichum sp.
11944	Nomuraea rileyi	12014	Beauveria bassiana	12084	Fusarium sp.
11945	Metarhizium anisopliae sensu lato	12015	Beauveria bassiana	12085	Unidentified / Hyphomycetes
11946	Metarhizium anisopliae sensu lato	12016	Beauveria bassiana	12086	Unidentified / Hyphomycetes
11947	Metarhizium anisopliae sensu lato	12017	Beauveria bassiana	12087	Unidentified / Hyphomycetes
11948	Fusarium sp.	12018	Beauveria bassiana	12088	Unidentified / Hyphomycetes
11949	Fusarium sp.	12019	Beauveria bassiana	12089	Lecanicillium sp.
11950	Fusarium sp.	12020	Beauveria bassiana	12090	Unidentified / Hyphomycetes
11951	Metarhizium anisopliae sensu lato	12021	Beauveria bassiana	12091	Unidentified sp.
11952	Beauveria bassiana	12022	Beauveria bassiana	12092	Beauveria bassiana
11953	Beauveria bassiana	12023	Beauveria bassiana	12093	Beauveria bassiana
11954	Beauveria bassiana	12024	Beauveria bassiana	12094	Beauveria bassiana
11955	Beauveria bassiana	12025	Beauveria bassiana	12095	Beauveria bassiana
11956	Beauveria bassiana	12026	Beauveria bassiana	12096	Beauveria bassiana
11957	Beauveria bassiana	12027	Unidentified / Hyphomycetes	12097	Beauveria bassiana
11958	Beauveria bassiana	12028	Unidentified / Hyphomycetes	12098	Beauveria bassiana
11959	Beauveria bassiana	12029	Unidentified / Hyphomycetes	12099	Beauveria bassiana
11960	Beauveria bassiana	12030	Unidentified / Hyphomycetes	12100	Beauveria bassiana
11961	Beauveria bassiana	12031	Unidentified / Hyphomycetes	12101	Beauveria bassiana
11962	Beauveria bassiana	12032	Fusarium sp.	12102	Beauveria bassiana
11963	Beauveria bassiana	12033	Fusarium sp.	12103	Beauveria bassiana
11964	Beauveria bassiana	12034	Fusarium sp.	12104	Beauveria bassiana
11965	Beauveria bassiana	12035	Fusarium sp.	12105	Beauveria bassiana
11966	Beauveria bassiana	12036	Fusarium sp.	12106	Beauveria bassiana
11967	Beauveria bassiana	12037	Fusarium sp.	12107	Beauveria bassiana
11968	Beauveria bassiana	12038	Fusarium sp.	12108	Beauveria bassiana
11969	Beauveria bassiana	12039	Fusarium sp.	12109	Beauveria bassiana
11970	Beauveria bassiana	12040	Fusarium sp.	12110	Beauveria bassiana
11971	Beauveria bassiana	12041	Unidentified / Hyphomycetes	12111	Beauveria bassiana
11972	Lecanicillium lecanii(?)	12042	Unidentified / Hyphomycetes	12112	Beauveria bassiana
11973	Beauveria bassiana	12043	Unidentified / Hyphomycetes	12113	Beauveria bassiana
11974	Beauveria bassiana	12044	Unidentified / Hyphomycetes	12114	Beauveria bassiana
11975	Beauveria bassiana	12045	Unidentified / Hyphomycetes	12115	Beauveria bassiana
11976	Beauveria bassiana	12046	Cladosporium sp.	12116	Beauveria bassiana
11977	Beauveria bassiana	12047	Unidentified / Hyphomycetes	12117	Myriodontium keratinophilum
11978	Beauveria bassiana	12048	Penicillium sp.	12118	Myriodontium keratinophilum
11979	Beauveria bassiana	12049	Penicillium sp.	12119	Beauveria bassiana
11980	Beauveria bassiana	12050	Aspergillus sp.	12120	Beauveria bassiana
11981	Beauveria bassiana	12051	Aspergillus sp.	12121	Beauveria bassiana
11982	Beauveria bassiana	12052	Lecanicillium sp.	12122	Beauveria bassiana
11983	Beauveria bassiana	12053	Lecanicillium sp.	12123	Beauveria bassiana
11984	Beauveria bassiana	12054	Lecanicillium sp.	12124	Beauveria bassiana
11985	Beauveria bassiana	12055	Lecanicillium sp.	12125	Beauveria bassiana
11986	Beauveria bassiana	12056	Lecanicillium sp.	12126	Beauveria bassiana
11987	Beauveria bassiana	12057	Lecanicillium sp.	12127	Beauveria bassiana
11988	Beauveria bassiana	12058	Lecanicillium sp.	12128	Beauveria bassiana
11989	Beauveria bassiana	12059	Lecanicillium sp.	12129	Beauveria bassiana
11990	Beauveria bassiana	12060	Lecanicillium sp.	12130	Beauveria bassiana

12131	Beauveria bassiana	12201	Beauveria bassiana	12271	Beauveria bassiana sensu lato
12132	Beauveria bassiana	12202	Beauveria bassiana	12272	Beauveria bassiana sensu lato
12133	Beauveria bassiana	12203	Beauveria bassiana	12273	Beauveria bassiana sensu lato
12134	Beauveria bassiana	12204	Beauveria bassiana	12274	Beauveria bassiana sensu lato
12135	Beauveria bassiana	12205	Beauveria bassiana	12275	Beauveria bassiana sensu lato
12136	Beauveria bassiana	12206	Beauveria bassiana	12276	Beauveria bassiana sensu lato
12137	Beauveria bassiana	12207	Beauveria bassiana	12277	Beauveria bassiana sensu lato
12138	Beauveria bassiana	12208	Beauveria bassiana	12278	Beauveria bassiana sensu lato
12139	Beauveria bassiana	12209	Beauveria bassiana	12279	Beauveria bassiana sensu lato
12140	Beauveria bassiana	12210	Beauveria bassiana	12280	Beauveria bassiana sensu lato
12141	Beauveria bassiana	12211	Beauveria bassiana	12281	Beauveria bassiana sensu lato
12142	Beauveria bassiana	12212	Beauveria bassiana	12282	Beauveria bassiana sensu lato
12143	Beauveria bassiana	12213	Beauveria bassiana	12283	Beauveria bassiana sensu lato
12144	Beauveria bassiana	12214	Beauveria bassiana	12284	Beauveria bassiana sensu lato
12145	Beauveria bassiana	12215	Beauveria bassiana	12285	Beauveria bassiana sensu lato
12146	Beauveria bassiana	12216	Beauveria bassiana	12286	Beauveria bassiana sensu lato
12147	Beauveria bassiana	12217	Beauveria bassiana	12287	Beauveria bassiana sensu lato
12148	Beauveria bassiana	12218	Beauveria bassiana	12288	Beauveria bassiana sensu lato
12149	Beauveria bassiana	12219	Beauveria bassiana	12289	Beauveria bassiana sensu lato
12150	Beauveria bassiana	12220	Beauveria bassiana	12290	Beauveria bassiana sensu lato
12151	Beauveria bassiana	12221	Beauveria bassiana	12291	Beauveria bassiana sensu lato
12152	Beauveria bassiana	12222	Beauveria bassiana	12292	Beauveria bassiana sensu lato
12153	Beauveria bassiana	12223	Beauveria bassiana	12293	Beauveria bassiana sensu lato
12154	Beauveria bassiana	12224	Beauveria bassiana	12294	Beauveria bassiana sensu lato
12155	Myriodontium keratinophilum	12225	Beauveria bassiana	12295	Beauveria bassiana sensu lato
12156	Beauveria bassiana	12226	Beauveria bassiana	12296	Beauveria bassiana sensu lato
12157	Beauveria bassiana	12227	Beauveria bassiana	12297	Beauveria bassiana sensu lato
12158	Beauveria bassiana	12228	Beauveria bassiana	12298	Beauveria bassiana sensu lato
12159	Beauveria bassiana	12229	Beauveria bassiana	12299	Beauveria bassiana sensu lato
12160	Beauveria bassiana	12230	Beauveria bassiana	12300	Beauveria bassiana sensu lato
12161	Beauveria bassiana	12231	Beauveria bassiana	12301	Beauveria bassiana sensu lato
12162	Beauveria bassiana	12232	Beauveria bassiana	12302	Beauveria bassiana sensu lato
12163	Unidentified / Hyphomycetes	12233	Beauveria bassiana	12303	Beauveria bassiana sensu lato
12164	Unidentified / Hyphomycetes	12234	Beauveria bassiana	12304	Beauveria bassiana sensu lato
12165	Beauveria bassiana	12235	Beauveria bassiana	12305	Beauveria bassiana sensu lato
12166	Isaria catenianulata(?)	12236	Beauveria bassiana	12306	Beauveria bassiana sensu lato
12167	Unidentified / Hyphomycetes	12237	Beauveria bassiana	12307	Beauveria bassiana sensu lato
12168	Beauveria sp.	12238	Beauveria bassiana	12308	Beauveria bassiana sensu lato
12169	Beauveria sp.	12239	Beauveria bassiana	12309	Beauveria bassiana sensu lato
12170	Unidentified / Hyphomycetes	12240	Beauveria bassiana	12310	Beauveria bassiana sensu lato
12171	Unidentified / Hyphomycetes	12241	Beauveria bassiana	12311	Beauveria bassiana sensu lato
12172	Isaria fumosorosea	12242	Beauveria bassiana	12312	Beauveria bassiana sensu lato
12173	Isaria fumosorosea	12243	Beauveria bassiana	12313	Beauveria bassiana sensu lato
12174	Isaria fumosorosea	12244	Beauveria bassiana	12314	Beauveria bassiana sensu lato
12175	Isaria fumosorosea	12245	Beauveria bassiana	12315	Beauveria bassiana sensu lato
12176	Unidentified / Hyphomycetes	12246	Beauveria bassiana	12316	Beauveria bassiana sensu lato
12177	Isaria fumosorosea	12247	Beauveria bassiana	12317	Beauveria bassiana sensu lato
12178	Unidentified / Hyphomycetes	12248	Beauveria bassiana	12318	Beauveria bassiana sensu lato
12179	Unidentified / Hyphomycetes	12249	Beauveria bassiana	12319	Beauveria bassiana sensu lato
12180	Unidentified / Hyphomycetes	12250	Erynia sepulchralis	12320	Beauveria bassiana sensu lato
12181	Unidentified / Hyphomycetes	12251	Batkoa sp.	12321	Beauveria bassiana sensu lato
12182	Furia ithacensis	12252	Beauveria bassiana sensu lato	12322	Beauveria bassiana sensu lato
12183	Beauveria bassiana	12253	Beauveria bassiana sensu lato	12323	Beauveria bassiana sensu lato
12184	Beauveria bassiana	12254	Beauveria bassiana sensu lato	12324	Beauveria bassiana sensu lato
12185	Beauveria bassiana	12255	Beauveria bassiana sensu lato	12325	Beauveria bassiana sensu lato
12186	Beauveria bassiana	12256	Beauveria bassiana sensu lato	12326	Beauveria bassiana sensu lato
12187	Beauveria bassiana	12257	Beauveria bassiana sensu lato	12327	Beauveria bassiana sensu lato
12188	Beauveria bassiana	12258	Beauveria bassiana sensu lato	12328	Beauveria bassiana sensu lato
12189	Beauveria bassiana	12259	Beauveria bassiana sensu lato	12329	Beauveria bassiana sensu lato
12190	Isaria sp.	12260	Beauveria bassiana sensu lato	12330	Beauveria bassiana sensu lato
12191	Beauveria bassiana	12261	Beauveria bassiana sensu lato	12331	Beauveria bassiana sensu lato
12192	Beauveria bassiana	12262	Beauveria bassiana sensu lato	12332	Beauveria bassiana sensu lato
12193	Beauveria bassiana	12263	Beauveria bassiana sensu lato	12333	Beauveria bassiana sensu lato
12194	Beauveria bassiana	12264	Beauveria bassiana sensu lato	12334	Beauveria bassiana sensu lato
12195	Pochonia sp.	12265	Beauveria bassiana sensu lato	12335	Beauveria bassiana sensu lato
12196	Beauveria bassiana	12266	Beauveria bassiana sensu lato	12336	Beauveria bassiana sensu lato
12197	Beauveria bassiana	12267	Beauveria bassiana sensu lato	12337	Beauveria bassiana sensu lato
12198	Beauveria bassiana	12268	Beauveria bassiana sensu lato	12338	Conidiobolus sp.
12199	Beauveria bassiana	12269	Beauveria bassiana sensu lato	12339	Beauveria sp.
12200	Beauveria bassiana	12270	Beauveria bassiana sensu lato	12340	Beauveria sp.

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12341	Beauveria sp.	12411	Beauveria bassiana sensu lato
12342	Beauveria sp.		
12343	Beauveria sp.		
12344	Beauveria sp.		
12345	Beauveria sp.		
12346	Beauveria sp.		
12347	Beauveria sp.		
12348	Beauveria sp.		
12349	Beauveria sp.		
12350	Beauveria sp.		
12351	Beauveria sp.		
12352	Beauveria sp.		
12353	Beauveria sp.		
12354	Beauveria sp.		
12355	Beauveria sp.		
12356	Beauveria bassiana sensu lato		
12357	Beauveria bassiana sensu lato		
12358	Beauveria bassiana sensu lato		
12359	Beauveria bassiana sensu lato		
12360	Beauveria bassiana sensu lato		
12361	Beauveria bassiana sensu lato		
12362	Beauveria bassiana sensu lato		
12363	Beauveria bassiana sensu lato		
12364	Beauveria bassiana sensu lato		
12365	Beauveria bassiana sensu lato		
12366	Beauveria bassiana sensu lato		
12367	Beauveria bassiana sensu lato		
12368	Beauveria bassiana sensu lato		
12369	Beauveria bassiana sensu lato		
12370	Beauveria bassiana sensu lato		
12371	Beauveria bassiana sensu lato		
12372	Beauveria bassiana sensu lato		
12373	Beauveria bassiana sensu lato		
12374	Beauveria bassiana sensu lato		
12375	Beauveria bassiana sensu lato		
12376	Beauveria bassiana sensu lato		
12377	Beauveria bassiana sensu lato		
12378	Beauveria bassiana sensu lato		
12379	Beauveria bassiana sensu lato		
12380	Beauveria bassiana sensu lato		
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12382	Beauveria bassiana sensu lato		
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12384	Beauveria bassiana sensu lato		
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12388	Beauveria bassiana sensu lato		
12389	Beauveria bassiana sensu lato		
12390	Beauveria bassiana sensu lato		
12391	Beauveria bassiana sensu lato		
12392	Beauveria bassiana sensu lato		
12393	Beauveria bassiana sensu lato		
12394	Beauveria bassiana sensu lato		
12395	Beauveria bassiana sensu lato		
12396	Sypastospora parasitica		
12397	Beauveria bassiana sensu lato		
12398	Beauveria bassiana sensu lato		
12399	Beauveria bassiana sensu lato		
12400	Beauveria bassiana sensu lato		
12401	Beauveria bassiana sensu lato		
12402	Beauveria bassiana sensu lato		
12403	Beauveria bassiana sensu lato		
12404	Beauveria bassiana sensu lato		
12405	Beauveria bassiana sensu lato		
12406	Beauveria bassiana sensu lato		
12407	Beauveria bassiana sensu lato		
12408	Beauveria bassiana sensu lato		
12409	Beauveria bassiana sensu lato		
12410	Beauveria bassiana sensu lato		